

**University of Rajasthan**  
**Jaipur**

**SYLLABUS**

**B.A. (HONS) - PART- III**

**2015**

## CONTENTS

Scheme of Examination & Distribution of Marks

### *Subsidiary Subjects*

(The scheme of examination, the course of study and text-books of the compulsory and subsidiary subject of Hons. Part-I examination shall be the same as prescribed for the optional subjects of B.A. (Part-I) examination.

### *Syllabus (Honours Subjects)*

1. Hindi Literature (Hons.)
2. English Literature (Hons.)
3. Urdu Literature (Hons.)
4. Sanskrit Literature (Hons.)
5. Philosophy (Hons.)
6. Sociology (Hons.)
7. Political Science (Hons.)
8. History (Hons.)
9. Public Administration (Hons.)
10. Economics (Hons.)
11. Mathematics (Hons.)
12. Geography (Hons.)
13. Psychology (Hons.)

## SCHEME OF EXAMINATION

### B.A. (HONOURS) EXAMINATION (10+2+3 PATTERN)

#### R-11 (1) :

For a pass at each examination a candidate should be required to obtain a minimum of 36% marks in each subsidiary subject and 40% marks in the Honours subjects. Passing separately in the practicals, wherever prescribed.

Successful candidates will be classified as under :

First Division 60% } of the aggregate marks prescribed in  
Second Division 50% } Honours and subsidiary subjects of Pt.-  
I., Pt.-II, and Pt.-III examinations  
taken.

All the rest shall be declared to have passed the examination.

No division shall be awarded at the Honours Pt. I and Pt. II examination.

The number of papers and practicals, wherever prescribed, the duration of examination, maximum marks and minimum pass marks shall be shown in the relevant syllabus.

A candidate shall be required to offer one Honours subject and one subsidiary subject out of the following subjects :

#### (i) *Subsidiary Subjects*

1. Hindi Literature
2. English Literature
3. Urdu
4. Sanskrit
5. Philosophy
6. Sociology
7. Political Science
8. Public Administration
9. Economics
10. Geography
11. Psychology
12. History
13. Mathematics
14. Persian
15. Indian Music
16. Drawing & Painting
17. Home Science
18. Statistics
19. Applied Statistics

**(i) Syllabus and Scheme (Subsidiary subjects)**

(The scheme of examination, the course of study and text books for the subsidiary subjects of Honours Pt. III examination shall be the same as prescribed for the optional subjects of the B.A. Part III examination.)

**(ii) Honours Subjects**

1. Hindi Literature (Hons.)
2. English Literature (Hons.)
3. Urdu Literature (Hons.)
4. Sanskrit Literature (Hons.)
5. Philosophy (Hons.)
6. Sociology (Hons.)
7. Political Science (Hons.)
8. History (Hons.)
9. Public Administration (Hons.)
10. Economics (Hons.)
11. Mathematics (Hons.)
12. Geography (Hons.)
13. Psychology (Hons.)

**DISTRIBUTION OF MARKS**

Sr. No.	Name of the Subject	No. of Papers	Duration	Max. Marks	Min. Marks	Pass Marks
1	2	3	4	5	6	6
<b>Honours Subjects :</b>						
1.	Hindi Literature (Hons.)	Paper-IX	3 hrs.	100	}	160
		Paper-X	3 hrs.	100		
		Paper-XI	3 hrs.	100		
		Paper-XII	3 hrs.	100		
2.	English Literature (Hons.)	Paper-IX	3 hrs.	100	}	160
		Paper-X	3 hrs.	100		
		Paper-XI	3 hrs.	100		
		Paper-XII	3 hrs.	100		
3.	Urdu (Hons.)	Paper-IX	3 hrs.	100	}	160
		Paper-X	3 hrs.	100		
		Paper-XI	3 hrs.	100		
		Paper-XII	3 hrs.	100		
4.	Sanskrit (Hons.)	Paper-IX	3 hrs.	100	}	160
		Paper-X	3 hrs.	100		
		Paper-XI	3 hrs.	100		
		Paper-XII	3 hrs.	100		
5.	Philosophy (Hons.)	Paper-IX	3 hrs.	100	}	160
		Paper-X	3 hrs.	100		
		Paper-XI	3 hrs.	100		
		Paper-XII	3 hrs.	100		
6.	Sociology (Hons.)	Paper-IX	3 hrs.	100	}	160
		Paper-X	3 hrs.	100		
		Paper-XI	3 hrs.	100		
		Paper-XII	3 hrs.	100		
7.	Political (Hons.) Science	Paper-IX	3 hrs.	100	}	160
		Paper-X	3 hrs.	100		
		Paper-XI	3 hrs.	100		
		Paper-XII	3 hrs.	100		

8. History (Hons.)	Paper-IX	3 hrs.	100	} 160
	Paper-X	3 hrs.	100	
	Paper-XI	3 hrs.	100	
	Paper-XII	3 hrs.	100	
9. Public Adm. (Hons.)	Paper-IX	3 hrs.	100	} 160
	Paper-X	3 hrs.	100	
	Paper-XI	3 hrs.	100	
	Paper-XII	3 hrs.	100	
10. Economic (Hons.)	Paper-IX	3 hrs.	100	} 160
	Paper-X	3 hrs.	100	
	Paper-XI	3 hrs.	100	
	Paper-XII	3 hrs.	100	
11. Mathematics (Hons.)	Paper-IX	3 hrs.	100	} 160
	Paper-X	3 hrs.	100	
	Paper-XI	3 hrs.	100	
	Paper-XII	3 hrs.	100	
12. Geography (Hons.)	Paper-IX	3 hrs.	80	} 128
	Paper-X	3 hrs.	80	
	Paper-XI	3 hrs.	80	
	Paper-XII	3 hrs.	80	
	Practical 'A'		80	
13. Psychology (Hons.)	Paper-IX	3 hrs.	75	} 120
	Paper-X	3 hrs.	75	
	Paper-XI	3 hrs.	75	
	Paper-XII	3 hrs.	75	
	Pract. 'A'		100	

Handwritten notes and signatures in Hindi, including the name 'Rajendra Prasad' and other illegible text.

1. हिन्दी साहित्य (ऑनर्स) तृतीय वर्ष

हिन्दी काव्य-2	पूर्णांक 100	समय : 3 घण्टे
राजस्थानी भाषा एवं साहित्य	पूर्णांक 100	समय : 3 घण्टे
हिन्दी पत्रकारिता	पूर्णांक 100	समय : 3 घण्टे
हिन्दी गद्य-2	पूर्णांक 100	समय : 3 घण्टे
प्रथम प्रश्न पत्र हिन्दी काव्य-2		
परीक्षा योजना		

पूर्णांक : 100

1. खण्ड 'क' के अन्तर्गत निर्धारित पाठ्यांशों से दिये गये तीन (03) अंशों का पाठ-

अवधि : 3 घण्टे

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विश्लेषण-सांस्कृतिक, समाजशास्त्रीय एवं साहित्यिक परिप्रेक्ष्य में (आन्तरिक विकल्प देय)  $3 \times 8 = 24$  अंक

2. खण्ड 'क' में उल्लिखित कवियों पर (काव्य-कला, भाव-व्यंजना, रचना के महत्व आदि पर) दो विवेचनात्मक/आलोचनात्मक प्रश्न (आन्तरिक विकल्प देय) : शब्द सीमा 500 शब्द  $2 \times 20 = 40$  अंक
3. खण्ड 'ख' से एक विवेचनात्मक/आलोचनात्मक/वर्णात्मक प्रश्न (आन्तरिक विकल्प देय) शब्द-सीमा 500 शब्द  $1 \times 20 = 20$  अंक
4. खण्ड 'ग' में उल्लिखित रचनाकारों/रचनाओं के परिचय/महत्व/विशेषता पर कुल चार प्रश्न (कृ: में से चार प्रश्न) : शब्द सीमा 100 शब्द  $4 \times 4 = 16$  अंक

क. निर्धारित पाठ्यांश

1. जयशंकर प्रसाद : 1. उठ उठ री लघु लोल लहर  
2. ले चल वहाँ भुलावा देकर  
3. बीती विभावरी जग री  
4. मेरी आँखों की पुतली में  
5. पेशोला की प्रतिध्वनि
2. सूर्यकान्त त्रिपाठी निराला : 1. संध्या-सुन्दरी  
2. सखि, बसन्त आया  
3. बादल-राम-6  
4. स्नेह-निर्झर बह गया है।  
5. प्रिया के पति
3. महादेवी वर्मा : 1. जो तुम आ जाते एक बार  
2. कौन तुम मेरे हृदय में?  
3. मधुर-मधुर मेरे दीपक जल  
4. सब आँखों के आँसू उजले  
5. निशा को धो देता राकेश  
6. मैं नीर भरी दुख की बदली  
7. रूपसि तेरा घन केश-पाश
4. रामधारी सिंह दिनकर : 1. 'कुरुक्षेत्र' का सातवाँ सर्ग
5. केदारनाथ अग्रवाल : 1. हमारे बाद भी  
2. चन्द्रगहना से लौटती बेर,  
3. धूप  
4. मेरे अन्दर  
5. वह जन मारे नहीं मरेगा

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6. अज्ञेय : 1. नदी के द्वीप  
2. हिरोशिमा  
3. सागर-मुद्रा-2  
4. बना दे चित्तो  
5. कितनी नारों में कितनी बार
7. गजानन माधव मुक्तिबोध : 1. ब्रह्मराक्षस  
2. चाँद का मुँह टेढ़ा है (कविता)
8. धूमिल : 1. अकाल-दर्शन  
2. प्रौढ़ शिक्षा
9. रघुवीर सहाय : 1. रामदास  
2. अधिनायक  
3. आत्महत्या के विरुद्ध
10. ऋतुगज : 1. पाँच सितारे  
2. एक कटे पेड़ की कहानी  
3. गरीब लोग  
4. स्को सूर्यास्त

ख. आधुनिक हिन्दी कविता का इतिहास :

आधुनिकता की पहचान और हिन्दी कविता, हिन्दी कविता का आरम्भिक दृष्टि, हिन्दी स्व-जागरण, कविता में प्रकृति, अध्यात्म, राष्ट्रीयता एवं सुधार, छायावाद : प्रेम्ण एवं पृष्ठभूमि, स्वच्छंदतावाद-छायावाद-रहस्यवाद : वैशिष्ट्य और अन्तःसम्बन्ध, अन्तःसम्बन्ध के राष्ट्रीय-सांस्कृतिक-सामाजिक संरोकार, प्रगतिवाद : वैचारिक आधार, विवेकता, प्रयोगबद्धता, प्रयोगवाद, नयी कविता, साठोत्तर कविता और सपत्न्य कविता।

ग. निम्नलिखित रचनाकारों, उनकी रचनात्मक विशेषताओं तथा कृति-विशेष का सामान्य परिचयात्मक अध्ययन:

श्रीधर पाठक, हरिऔध, मैथिलीशरण गुप्त, रामनरेश त्रिपाठी, माखनलाल चतुर्वेदी, सुमित्रासुन्दर पंत, बालकृष्ण शर्मा नवीन, हरिवंशराय बच्चन, सुभद्राकुमारी चौहान, नागार्जुन, त्रिलोचन, रामशेर बहादुर सिंह, गिरिजाकुमार माथुर, धर्मवीर भारती, सर्वेश्वरदयाल सक्सेना, भवानीप्रसाद मिश्र, विजयदेवनायण साही, केदारनाथ सिंह, कुँवरनायण, नरेश मेहता, दुष्यन्त कुमार और अरुण कमल।

द्वितीय प्रश्न पत्र : राजस्थानी भाषा एवं साहित्य

परीक्षा योजना

पूर्णांक : 100

अवधि : 3 घण्टे

1. खण्ड 'क' से तीन (03) अंशों का पाठ-विश्लेषण-सांस्कृतिक-समाजशास्त्रीय एवं

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साहित्यिक परिप्रेक्ष्य में (आन्तरिक विकल्प देय) (प्रत्येक पुस्तक से पाठ-विश्लेषण एक अनिवार्य)  $3 \times 8 = 24$  अंक

2. 'क' खण्ड से दो दीर्घउत्तरीय विवेचनात्मक/वर्णनात्मक प्रश्न (आन्तरिक विकल्प देय) : शब्द सीमा 500 शब्द  $2 \times 20 = 40$  अंक
3. राजस्थानी भाषा से सम्बन्धित एक विवेचनात्मक प्रश्न  $1 \times 20 = 20$  अंक
4. राजस्थानी साहित्य के इतिहास से सम्बन्धित छः में से चार टिप्पणियाँ करनी होंगी (शब्द सीमा 150 शब्द)  $4 \times 4 = 16$  अंक

क. निर्धारित पाठ्यांश

1. राजिया रा दूहा : शक्तिदान कविया, राजस्थानी ग्रंथागार, जोधपुर
2. हालां झाला री कुण्डलियाँ : ईसरदास बारहठ, सं. मोतीलाल येनारिया, राजस्थानी ग्रंथागार, जोधपुर

ख. राजस्थानी भाषा का उद्भव और विकास, राजस्थानी की भाषिक विशेषताएँ, राजस्थानी की बोलियाँ, राजस्थानी साहित्य : संक्षिप्त परिचय।

संदर्भ पुस्तकें :

1. राजस्थानी व्याकरण : सीताराम लालस
2. राजस्थानी का संरचनात्मक व्याकरण : डॉ. कालीचरण
3. राजस्थानी भाषा और साहित्य : डॉ. हीरालाल माहेश्वरी
4. राजस्थानी साहित्य : प्रेरणा-स्रोत और प्रवृत्तियाँ : डॉ. किरणचन्द्र नाहटा
5. हिस्ट्री ऑफ राजस्थानी लिटरेचर : डॉ. हीरालाल माहेश्वरी
6. बारहठ ईसरदास : डॉ. हीरालाल माहेश्वरी

तृतीय प्रश्न पत्र : हिन्दी पत्रकारिता  
परीक्षा योजना

पूर्णांक : 100

अवधि : 3 घण्टे

1. प्रत्येक खण्ड से 20 अंक के विवेचनात्मक/वर्णनात्मक प्रश्न पूछे जायेंगे। (आन्तरिक विकल्प देय)  $4 \times 20 = 80$  अंक
2. एक प्रश्न व्यावहारिक होगा, जिसमें प्रदत्त विषयों पर समाचार या फीचर लेखन करना होगा। (आन्तरिक विकल्प देय)  $2 \times 10 = 20$  अंक

क. हिन्दी पत्रकारिता का प्रारम्भ और विकास : भारतेन्दु युग, द्विवेदी युग आदि। प्रमुख पत्र-पत्रिकाएँ एवं पत्रकार।

ख. पत्रकारिता के विभिन्न रूप :

1. प्रिंट और इलेक्ट्रॉनिक पत्रकारिता : वैशिष्ट्य और कार्य-पद्धति
2. खोजी पत्रकारिता, गीत पत्रकारिता आदि।

ग. सम्पादन-कला, सम्पादकीय लेखन, समाचार संकलन और लेखन, रिपोर्टिंग, प्रूफ शोधन, साक्षात्कार, फीचर और पत्रकार वार्ता।

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घ. प्रमुख प्रेस कानून : अभिव्यक्ति की स्वतन्त्रता, कॉपीराइट, मान-हानि, न्यायालय की अवमानना, सूचना का अधिकार, प्रेस-कौंसिल।

XII अतुल्य प्रश्न पत्र : हिन्दी गद्य-3 (संस्मरण, जीवनी एवं आत्मकथा)  
परीक्षा योजना

पूर्णांक : 100

अवधि : 3 घण्टे

1. क्रमांक 1 व 2 से एक-एक पाठ-विश्लेषण एवं क्रमांक 3 और 4 से एक कुल तीन (03) अंशों का पाठ-विश्लेषण-सांस्कृतिक, समाजशास्त्रीय एवं साहित्यिक परिप्रेक्ष्य में (आन्तरिक विकल्प देय)  $3 \times 8 = 24$  अंक
2. प्रत्येक कृति से एक-एक आलोचनात्मक/विवेचनात्मक प्रश्न (कुल 4 प्रश्न) (आन्तरिक विकल्प देय)  $4 \times 15 = 60$  अंक
3. सम्पूर्ण पाठ्यक्रम से छः में से चार लघूत्पत्तिक प्रश्न (शब्द सीमा 150 शब्द)  $4 \times 4 = 16$  अंक

क. निर्धारित पाठ्य-ग्रंथ

1. हम हशमत : भग एक, कृष्णा सोबती
2. आबारा मसीहा : विष्णु प्रभाकर
3. अपनी खबर : पांडेय बेचन शर्मा 'उग्र', राजकमल प्रकाशन
4. हम इक उग्र से वाकिफ हैं--: हरिशंकर परसाई, राजकमल प्रकाशन

सहायक पुस्तकें—

1. हिन्दी रेखाचित्र और संस्मरण : डॉ. सरस्वती भारती
2. हिन्दी का गद्य साहित्य : डॉ. रामचन्द्र तिवारी, विश्वविद्यालय प्रकाशन, वाराणसी

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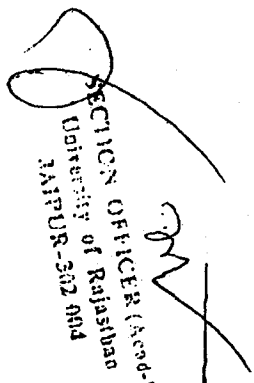
**2. ENGLISH LITERATURE (HONS.)**

Scheme :

Four Papers	Papers	Duration	Max. Marks	Min. Pass Mark
Paper IX	IX	3 hrs.	100	
Paper X	X	3 hrs.	100	160
Paper XI	XI	3 hrs.	100	
Paper XII	XII	3 hrs.	100	

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**Paper IX: American Literature**

**Question No. 1: References to Context from unit A, B & C.**

Candidate will be required to explain four (4) passages of Reference to Context out of Eight (8) of five marks each, with a total of 20 Marks.

Question No. 2: Will also be compulsory. The student will be required to attempt 5 questions out of 10, to be answered in about 5 lines each. Each question will carry 4 marks to a total of 20 marks.

The other 3 questions will be essay-type questions of 20 marks each, one from each section with internal choice.

**SECTION A**

- W. Whitman: When Lilacs Last ...
- Emerson: Self-Reliance
- O'Neill: *Anna Christie*

- E. Dickenson:
  - (i) The Morns Are Meeker Than They Were
  - (ii) I Taste the Liquor Never Brewed
  - (iii) 'Hope' Is A Thing With Feather-
  - (iv) 'Because I Could not Stop for Death'

**SECTION B**

- N. Hawthorne: *The Scarlet Letter*
- F. Scott-Fitzgerald: *The Great Gatsby*

**SECTION C**

- T. Williams: *The Glass Menagerie*

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- E.E. Cumming: (i) Essay: 'Introduction to New Poems' (ii) My Sweet old ...  
 (iii) You Shall Above All Things Be Glad and Young  
 (iv) 'Pity this 'busy monster' Man Unkind  
 (v) 'What If a Much of a which, of a Wind
- Robert Frost: (i) Moving (ii) The Road Not Taken (iii) Provide, Provide  
 (iv) Tree at My Window (v) Stopping by Woods ...

**Recommended Readings:**

- J.D. Harg, Ed.: *The Oxford Companion to American Literature*, (1983)  
 F.O. Matthiesson: *American Renaissance. Art and Expression in the Age of  
 Emerson and Whitman* (New Delhi: OUP, 1973)  
 Harold Bloom: *Eugene O'Neill* (New York: Chols., 1987)  
 C.D. Narasimhaiah: *Asian Response to American Literature*  
 (Delhi: Vikas Publications, 1972)

**Paper X: Indian Literature in English**

**Question No. 1: References to Context from unit A only**

Candidate will be required to explain four (4) passages of Reference to Context out of Eight (8) of five marks each, with a total of 20 Marks.

Question No. 2: Will also be compulsory. The student will be required to attempt 5 questions out of 10, to be answered in about 5 lines each. Each question will carry 4 marks to a total of 20 marks.

The other 3 questions will be essay-type questions of 20 marks each, one from each section with internal choice.

**SECTION A**

Following poems from the *Golden Treasury of Indo-English Poetry*, ed. V.K. Gokak  
 M. Madhusudan Dutt: (i) Satan (ii) The Queen of Delhi Dream  
 Rabindra Nath Tagore: (i) Heaven of Freedom (ii) The Child  
 Sarojini Nadidu: (i) Caprice (ii) The Son's Prayer (iii) Song of Radha

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Nissim Ezekiel: (i) Goodbye Party for Miss Pushpa  
(ii) Night of the Scorpion

Kamala Das: (i) The Dance of the Eunuchs (ii) In Love (iii) An Introduction

A.K. Ramanujan: (i) The Striders (ii) Another View of Grace

From Discovery of (i) Ahmednagar Fort (ii) Badweather, Lausanne (iii) The Ohset  
India by Jawaharlal Nehru:

#### SECTION B

Girish Karnad: *Tale Dand*

R.N. Tagore: *Hungry Stones and Other Stories*

Mulk Raj Anand: *Untouchable*

#### SECTION C

R.K. Narayan: *Malgudi Days*

Anita Desai: *Fire on the Mountain*

#### Recommended Readings:

K.R. Srinivash Iyengar: *Indian Writing in English* (New Delhi: Sterling, 1984)

M.K. Naik: *Dimensions of Indian English Literature*  
(New Delhi: Sterling, 1965)

Meenakshi Mukherjee: *The Twice Born Fiction*

#### Paper XI: World Literature in English

Candidate will be required to answer 5 Essay Types Question of 20 marks each, choosing at least one question from each section, out of 10 essay type questions.

#### SECTION A

Kalidas: *Meghdoot*

Sophocles: *Oedipus. The King*

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**SECTION B**

Ibsen: *Ghosts*  
Gustav: *Madame Bovary*  
Leo Tolstoy: *The Death of Ivan Ilych*

**SECTION C**

Rama Mehta: *Inside the Haveli*  
V.S. Naipaul: *A House for Mr. Biswas* (Penguin)

**Recommended Readings:**

Peter Walcot: *Greek Drama in its Theatrical and Social Context*  
(Cardiff: University of Wales Press, 1976)  
Sophocles: *An Interpretation*  
(Cambridge and New York: Cambridge University Press, 1980)  
James C. Hogan: *A Commentary on the play of Sophocles*  
(Carbondale University Press, 1980)  
Ruff Fgeldey, ed. *Ibsen: A Collection of Critical Essays*  
(Englewood Cliffs, N.J. Prentice, 1965)

**Paper XII: Contemporary British Literature**

**Question No. 1 References to Context from Unit A & B only.**

Candidate will be required to explain Four (4) passages of Reference to Context out of Eight (8) of five marks each, with a total of 20 marks.

Question No. 2 will also be Compulsory. The student will be required to attempt 5 questions out of 10, to be answered in about 5 line each. Each question will carry 4 marks to a total of 20 marks. The other 3 questions will be essay-type questions of 20 marks each, one from each section with internal choice.

**SECTION A**

Ted Hughes: (i) The Thought Fox (ii) The Hawk in the Rain (iii) Pike

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Seamus Heaney (iv) View of a Pig  
Whatever You say Say Nothing  
Philip Larkin: (i) Toads (ii) Toads Revisited (iii) Church Going

**SECTION B**

Harold Pinter: *The Room*  
A. Alvarez: 'Introduction' to New Poetry (Penguin, 1962)

**SECTION C**

W. Golding: *Lord of Flies* (Faber & Faber, 1954)  
Doris Lessings: *Summer Before the Dark*

**Recommended Readings:**

Keith Sagar, ed.: *The Achievement of Ted Hughes* (Manchester, 1983)  
Terry Gifford and: *Ted Hughes: A Critical Study* (London, 1981)  
Blake Morrison Neil Roberts: *Seamus Heaney* (London, 1962)  
Norman Page, ed.: *William Golding: Novels 1954-67* (London, 1985)  
Andrew Motion: *Philip Larkin* (London, 1982)

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3. URDU LITERATURE (HONS.)

Scheme :

Paper	Duration	Max. Marks	Min. Pass Mark
Paper IX	3 hrs.	100	
Paper X	3 hrs.	100	160
Paper XI	3 hrs.	100	
Paper XII	3 hrs.	100	

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**PAPER-IX (ADABI TANQEEED)**

**Books Recommended-**

- 1) Mubadoyat-E-Tanqeed—By Khalil-Ur-Rale
- 2) Making of Literature—By James Scott
- 3) Hamari Shairi—By Masood Hassan Rizvi
- 4) Muqadma Sher-O-Shairi—By Hali
- 5) Urdu Marsiya—By Sifarish Hussain Rizvi
- 6) Urdu Marsiya Ka Irtiqa—By Abdul Qadir Sarwari
- 7) Urdu Qasidanigari ka Tanqeedi Jaize—By Mehmood Ilahi.
- 8) Urdu Tanqid ka Irtiqa By Dr. Ibadat Barelvi.

Note :- 5 Questions of 20 Marks Each with Internal Choice

**Division of Marks :**

Unit I— Tanqid ki Tarif Wa Mahiyat	20
Unit II— Tanqid ki Ahmiyat	20
Unit III— Mukhtalif Asnafi Adab ki Tanqid Ke Usool (Ghazal, Marsiya Masnavi & Qasida)	20
Unit IV— Adab Aur Zindagi ka Rishta	20
Unit V— Development of Urdu Tanqid	20
<b>Total = 100</b>	

**PAPER-X (SPECIAL STUDY OF POET 'GHALIB' WITH RADEEF ALIF OF HIS DIWAN (OR) PROSE WRITER 'HALI' WITH MUQADME-SHER-O-SHAIRI)**

**Books Recommended (For Ghalib)-**

- 1) Yadgar-E-Ghalib—By Hali
- 2) Ghalib Aur Ahang-E-Ghalib—By Dr. Yusuf
- 3) Hayat-E-Ghalib—By Mohd. Ikram
- 4) Ghalib Shakhshiyat Aur Shairi—By Majnoon Gorakhpuri
- 5) Diwane Ghalib

**Books Recommended (For HALI)**

- 1) Yadgar-E-Hali—By Saleha Abid Hussain
- 2) Hali ki Ek Jhalak—By Saleha Abid Hussain
- 3) Hali ka Tanqeedi Shaur—By Shujaat Ali Sandelvi
- 4) Hali ka Siyasi Shaur—By Moeen Ehsen Jazbi
- 5) Furoogh-E-Urdu—Hali Number
- 6) Muqaddam-I-Shero Shairi—By Hali

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**(GHALIB)**

**Distribution of Marks :-**

Unit I- Explanation of At least Ten Couplets Out of Fifteen (This question will be Compulsory)	20
Unit II- Ghalib ki Ghazal Goi ki Khusoosiyat	20
Unit III- Ghalib Aur Unke Ham Asr Shora	20
Unit IV- Urdu Shairi Per Ghalib ke Asarat	20
Unit V- Ghalib Ki Deegar Asnafi Sukhan ki Khususyati	20
<b>Total = 100</b>	

**(HALI)**

**Distribution of Marks :-**

Unit I- Hali Bahaisiat Swanch Nigar	20
Unit II- Hali Bahaisiat Tanqid Nigar	20
Unit III- Hali ke Tarze Nigarish Par Tabsira	20
Unit IV- Hali ke Digar Nasri Tasnifat	20
Unit V- Hali ke Swanch Hayat Aur Adabi Khidmat	20
<b>Total = 100</b>	

**PAPER-XI (JADEED NAZM)**

**Books Prescribed :-**

- 1) Intikhab-E-Manzooat (Hali Ta Hal) Edited by Dr. Masood Alam, U.P. Urdu Academy, Lucknow.
  - (A) Allama Iqbal-Saqi Nama
  - (B) Josh-Shakist-E-Zindan ka Khawale.
  - (C) Akthar Sharani—Ek Naujawan But Tarash ki Arzoo, Cleopatira, Aay Ishq Kaheen Le Chal
  - (D) Israrul Huq Majaz—Nazr-E-Aligarh, Awara
  - (E) Faiz Ahmed Faiz—Tanhai, Humjo Tareek Rahon Men Mare Gaye, Dard Aaega Dabe Paon.
  - (F) Ali Sardar Jafri—Ek Khawab Aur

**Distribution of Marks :-**

**Note:-** Five Questions each of 20 marks are to be attempted with internal choice selecting one question from each unit.

Unit I- Explanation of two extract out of four (This question will be compulsory)	20
Unit II- General questions on modern poems	20
Unit III- Critical appreciation of prescribed poet	20
Unit IV- General questions on a poem or appreciation to it.	20

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Unit V- Summary of Poem

20

Total = 100

**PAPER-XII (ESSAY AND TRANSLATION)**

Essay in Urdu

60

Translation of two Passages from English/  
Persian / Hindi into Urdu

40

Total = 100

Books Prescribed for Persian Passage :-  
Gulha-e-Farsi—By Sahibuzzaman, Allahabad

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#### 4. संस्कृत साहित्य (ऑनर्स)

##### सामान्य निर्देश—

- 1- प्रत्येक प्रश्नपत्र में न्यूनतम उत्तीर्णांक 40 तथा पूर्णांक 100 होंगे और समय 3 घंटे का होगा।
  - 2- परीक्षा का प्रश्नपत्र केवल हिन्दी में बनाया जाएगा। परीक्षार्थी को यह छूट होगी कि हिन्दी, संस्कृत अथवा अंग्रेजी में से किसी एक भाषा में उत्तर दे सके। यदि परीक्षक ने किसी प्रश्न विशेष के लिए भाषा का निर्देश दिया है तो उस प्रश्न का उत्तर उसी भाषा में देना अनिवार्य होगा।
  - 3- संस्कृत को केवल देवनागरी लिपि में ही लिखा जाना अपेक्षित है।
  - 4- निर्धारित ग्रन्थ में से अनुवाद, व्याख्या, सरलार्थ एवं समालोचनात्मक प्रश्न पूछे जायेंगे।
  - 5- प्रत्येक प्रश्नपत्र में 10 प्रतिशत अंक संस्कृत भाषा में उत्तर के लिए निर्धारित हैं।
- नोट—पाठ्यक्रम में 30 अंक के प्रश्न (अ) भाग के अन्तर्गत (1) 10 अंक वस्तुनिष्ठ तथा (2) 20 अंक अतिलघूत्तरात्मक प्रश्नों के लिए निर्धारित होंगे।

##### परीक्षा योजना—

प्रश्नपत्र	समय	पूर्णांक	न्यूनतम उत्तीर्णांक
प्रथम	3 घंटे	100	
द्वितीय	3 घंटे	100	160
तृतीय	3 घंटे	100	
चतुर्थ	3 घंटे	100	

पूर्णांक—100 नवम् प्रश्न पत्र—अलंकार शास्त्र समय: 3 घंटे

पाठ्यक्रम—

1—काव्यादर्श (प्रथम अध्याय)—दण्डी 25 अंक

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2—काव्यमीमांसा (1-5 अध्याय)—राजशेखर	25 अंक
3—चन्द्रालोक (सम्पूर्ण)—जयदेव	25 अंक
4—अलंकार शास्त्र का इतिहास	25 अंक
कुल योग	100 अंक

अंक विभाजन

पाठ्यवस्तु	'अ' भाग प्रश्न संख्या	अंक	'ब' भाग प्रश्न संख्या	अंक	अंकों का योग
1—काव्यादर्श (प्रथम अध्याय)	05	10	02	15	10+15=25
(लघूत्तरात्मक)					
2—काव्यमीमांसा (1-5 अध्याय)	05 (बहु.)	05	02	20	5+20=25
3—चन्द्रालोक (सम्पूर्ण)	05 (बहु.)	05	02	20	5+20=25
4—अलंकार शास्त्र का इतिहास	05 (लघू.)	10	02	15	10+15=25
		20	30	08	70
					100

प्रश्नपत्र निर्माता के लिए अनुदेश

1—काव्यादर्श (प्रथम अध्याय)	'अ' भाग	5 लघूत्तरात्मक प्रश्न प्रष्टव्य हैं— 2 अंक प्रति प्रश्न निर्धारित है।	10 अंक
	'ब' भाग	प्र.1-4 व्याख्याओं में से 2 व्याख्या प्रष्टव्य हैं, प्रत्येक व्याख्या के लिए 5 अंक निर्धारित हैं।	10 अंक
		प्र.2-2 प्रश्नों में से एक प्रश्न प्रष्टव्य है।	05 अंक
2—काव्यमीमांसा (1-5 अध्याय)	'अ' भाग	5 बहुविकल्पीय प्रश्न प्रष्टव्य हैं 1 अंक प्रति प्रश्न निर्धारित है।	05 अंक
	'ब' भाग	प्र.3-4 व्याख्याओं में से 2 व्याख्या प्रष्टव्य है, जिनमें से एक संस्कृत में अपेक्षित है। प्रत्येक व्याख्या के लिए 7 अंक निर्धारित हैं।	14 अंक
		प्र.4-2 प्रश्नों में से एक प्रश्न प्रष्टव्य है।	06 अंक

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3-चन्द्रलोक	'अ' भाग	5 बहुविकल्पीय प्रश्न प्रष्टव्य हैं-1 अंक 05 अंक प्रति प्रश्न निर्धारित है।
	'ब' भाग	प्र. 5-4 व्याख्याओं में से 2 व्याख्या 14 अंक प्रष्टव्य हैं। प्रत्येक व्याख्या के लिए 7 अंक निर्धारित हैं।
		प्र.6-2 प्रश्नों में से एक प्रश्न प्रष्टव्य है। 06 अंक
4-अलंकारशास्त्र का इतिहास	'अ' भाग	5 लघूत्तरात्मक प्रश्न प्रष्टव्य हैं-2 अंक 10 अंक प्रति प्रश्न निर्धारित हैं।
	'ब' भाग	प्र.7-4 प्रश्नों में से 2 प्रश्न प्रष्टव्य है, 10 अंक प्रत्येक प्रश्न के लिए 5 अंक निर्धारित है।
		प्र.8-2 टिप्पणियों में से एक टिप्पणी 05 अंक प्रष्टव्य है।
100 अंक		

सहायक पुस्तकें

- 1- काव्यादर्श—धर्मन्द्रकुमार गुप्त, मेहरचन्द लक्ष्मणदास, दिल्ली।
- 2- काव्यादर्श—नरसिंहदेव शास्त्री—मेहरचन्द लक्ष्मणदास, दिल्ली।
- 3- काव्यादर्श—रणवीरसिंह—ओरियन्टल बुक डिपो, दिल्ली।
- 4- काव्यादर्श—आचार्य के.डी. शास्त्री, ओरियन्टल, वाराणसी-दिल्ली।
- 5- काव्यमीमांसा—नारायण शास्त्री खिस्ते।
- 6- काव्यमीमांसा—केदारनाथ सारस्वत
- 7- काव्यमीमांसा—मधुसूदनी व्याख्या-चौखम्बा ओरियन्टल
- 8- काव्यमीमांसा—विमला सुधा व्याख्या वाराणसी दिल्ली
- 9- चन्द्रलोक—सुबोधचन्द पंत
- 10- चन्द्रलोक—विमला सुधा व्याख्या
- 11- चन्द्रलोक—पूर्णमरासी कथा भट्टी व्याख्या
- 12- चन्द्रलोक—गंगाभट्ट
- 13- हिस्ट्री ऑफ संस्कृत पोयटिक्स—एस.के. डे—कोलकाता
- 14- हिस्ट्री ऑफ संस्कृत पोयटिक्स—पी.वी.काणे—मोतीलाल बनारसीदास, दिल्ली
- 15- ए क्रिटिकल स्टडी ऑफ दण्डी एड हिज वर्क्स—डॉ.डी.के. गुप्त, मेहरचन्द लक्ष्मणदास, दिल्ली
- 16- अलंकारशास्त्र का इतिहास—बलदेव उपाध्याय

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17- संस्कृत अलंकार उद्भव और विकास—सुषमा नाग पब्लिशर्स, 11ए, जवाहरनगर, दिल्ली

18-अलंकारशास्त्र का इतिहास—डॉ. कृष्णकुमार

पूर्णांक—100 दशम् प्रश्न पत्र—वीरकाव्य तथा पुराण समय: 3 घंटे

पाठ्यक्रम

1- विदुरनीति, महाभारत उद्योगपर्व (34, 35वां अध्याय)	30 अंक
2- महाभारत शान्तिपर्व (192वां अध्याय)	20 अंक
3- रामायण (बालकाण्ड प्रथम सर्ग)	25 अंक
4- विष्णु पुराण (2-3 अध्याय)	25 अंक
कुल योग	100 अंक

अंक-विभाजन

	'अ' भाग से पूछे जाने वाले प्रश्न	'अ' भाग के अंक	'ब' भाग से पूछे जाने वाले प्रश्न	'ब' भाग के अंक	योग
1-महाभारत विदुरनीति उद्योगपर्व	07 (लघू.)	14	16	16	14+16=30
2-महाभारत शान्तिपर्व	03 (बहु.)	03	17	17	03+17=20
3-रामायण (बालकाण्ड)	03 (लघू.)	06	19	19	06+19=25
4-विष्णुपुराण	07 (बहु.)	07	18	18	07+18=25
कुल योग					100

प्रश्नपत्र निर्माता के लिए निर्देश

1-महाभारत विदुरनीति	'अ' भाग 7 लघूत्तरात्मक प्रश्न प्रष्टव्य हैं—2 अंक प्रति प्रश्न निर्धारित हैं।	14 अंक
	'ब' भाग प्र.1-4 व्याख्याओं में से 2 व्याख्या प्रष्टव्य हैं, प्रत्येक व्याख्या के लिए 6 अंक निर्धारित हैं।	12 अंक
	प्र.2-2 प्रश्नों में से एक प्रश्न प्रष्टव्य है।	04 अंक

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2- महाभारत शांतिपर्व	'अ' भाग	3 बहुविकल्पीय प्रश्न प्रष्टव्य हैं-1 अंक	03 अंक
		प्रति प्रश्न निर्धारित है।	
	'ब' भाग	प्र.3-4 व्याख्याओं में से 2 व्याख्या	12 अंक
		प्रष्टव्य है, प्रत्येक व्याख्या के लिए 6 अंक निर्धारित हैं।	
3-रामायण (बालकाण्ड)	'अ' भाग	3 लघूत्तरात्मक प्रश्न प्रष्टव्य हैं-2 अंक	06 अंक
		प्रति प्रश्न निर्धारित है।	
	'ब' भाग	प्र.5-4 व्याख्याओं में से 2 व्याख्या	12 अंक
		प्रष्टव्य हैं जिनमें से एक संस्कृत में अपेक्षित है। प्रत्येक व्याख्या के लिए 6 अंक निर्धारित हैं।	
4-विष्णुपुराण	'अ' भाग	7 बहुविकल्पीय प्रश्न प्रष्टव्य हैं-1 अंक	07 अंक
		प्रति प्रश्न निर्धारित है।	
	'ब' भाग	प्र.7-4 व्याख्याओं में से 2 व्याख्या	12 अंक
		प्रष्टव्य हैं, प्रत्येक व्याख्या के लिए 6 अंक निर्धारित हैं।	
		प्र.8-2 प्रश्नों में से एक प्रश्न प्रष्टव्य है।	06 अंक
कुल योग			100 अंक

सहायक पुस्तकें

- 1- विष्णुपुराण—वेदव्यास, गीताप्रेस, गोरखपुर
- 2- विष्णुपुराण—नाग प्रकाशन, नई दिल्ली
- 3- महाभारत (उद्योगपर्व), सुकथनकर—आलोचनात्मक संस्करण, पुणे
- 4- महाभारत, विदुरनीति—डॉ. हरिनारायण यादव, महालक्ष्मी प्रकाशन, आगरा
- 5- रामायण (बालकाण्ड)—राष्ट्रीय संस्कृत संस्थान, नई दिल्ली
- 6- महाभारत, शांतिपर्व—भंडारकर ओरियन्टल रिसर्च इन्स्टीट्यूट, पुणे।

बी.ए. ऑनर्स तृतीय वर्ष—एकादश प्रश्न पत्र—

आधुनिक संस्कृत साहित्य एवं इतिहास

पाठ्यक्रम

पाठ्यवस्तु

1. अभिनव संस्कृत कथा—डॉ. नारायण शास्त्री कांकर

अंकों का योग

20 अंक

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2. शिवराज विजय (3, 4 निःश्वास)-अम्बिकादत्त व्यास	25 अंक
3. मधुच्छन्दा-डॉ. हरिराम आचार्य	15 अंक
4. गान्धिगौरवम्-पं. शिवगोविन्द त्रिपाठी	20 अंक
5. इतिहास-राजस्थान का आधुनिक संस्कृत साहित्य का इतिहास	20 अंक
कुल योग	100 अंक

अंक-विभाजन

	'अ' भाग की प्रश्न संख्या	अंक के अंक	'ब' भाग की प्रश्न संख्या	'ब' भाग के अंक	योग
1-अभिन्न संस्कृत कथा	5 (बहु.)	05	01	15	5+15=20
2-शिवराजविजय	6 (लघू.)	12	01	13	12+13=25
3-मधुच्छन्दा	-	-	01	15	15
4-गान्धिगौरवम्	5 (बहु.)	05	01	15	5+15=20
5-इतिहास	4 (लघू.)	08	01	12	8+12=20
कुल योग	20	30	07	70	100

प्रश्नपत्र निर्माता के लिए निर्देश

1-अभिन्न संस्कृत कथा	'अ' भाग	5 बहुविकल्पीय प्रश्न प्रष्टव्य है-1 अंक प्रति प्रश्न निर्धारित है।	05 अंक
	'ब' भाग	प्र. सं. 1-4 व्याख्याओं में से 2 व्याख्या प्रष्टव्य है, प्रत्येक व्याख्या के लिए 7.5 अंक निर्धारित है।	15 अंक
2-शिवराजविजय	'अ' भाग	6 लघूत्तरात्मक प्रश्न प्रष्टव्य है-2 अंक प्रति प्रश्न निर्धारित है।	12 अंक
	'ब' भाग	प्र. 2-2 व्याख्याओं में से 1 व्याख्या संस्कृत में प्रष्टव्य है। (ब)-2 प्रश्नों में से एक प्रश्न प्रष्टव्य है, जिसके लिए 5 अंक निर्धारित है।	08 अंक 05 अंक
3-मधुच्छन्दा	'ब' भाग	प्र. 4-4 में से दो व्याख्या प्रष्टव्य है, प्रति व्याख्या 7.5 अंक निर्धारित है।	15 अंक

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4-गांधीगौरवम् 'अ' भाग 5 बहुविकल्पीय प्रश्न प्रष्टव्य है-1 अंक  
प्रति प्रश्न निर्धारित है। 05 अंक

'ब' भाग प्र. 5-4 में से दो व्याख्या प्रष्टव्य है-  
1 अंक प्रति प्रश्न निर्धारित है। 15 अंक

4-इतिहास 'अ' भाग 4 लघूत्पत्तिक प्रश्न प्रष्टव्य है-  
2 अंक प्रति प्रश्न निर्धारित है। 08 अंक

'ब' भाग प्र.6- दो प्रश्नों में से एक प्रश्न प्रष्टव्य है। 7 अंक  
प्र.-दो टिप्पणियों में एक टिप्पणी प्रष्टव्य है। 5 अंक

**सहायक पुस्तकें**

- 1- संस्कृत साहित्य का इतिहास—डॉ. रामजी उपाध्याय, रामनारायण बैनीमाधव, इलाहाबाद
  - 2- आर्वाचीन संस्कृत—श्रीधर भास्कर वर्णेकर
  - 3- मधुच्छन्दा—प्रो. हरिप्रम आचार्य, जगदीश संस्कृत पुस्तकालय, जयपुर
  - 4- गांधीगौरवम्—श्री शिवगोविन्द त्रिपाठी, पृ-65, जनता कालोनी, जयपुर
  - 5- शिवराजविजयम्—अम्बिकादत्त व्यास
  - 6- अभिनव संस्कृत कथा—पं. गणेशराम शर्मा
- बी.ए. ऑनर्स संस्कृत तृतीय वर्ष के एकादश प्रश्नपत्र का वैकल्पिक पाठ्यक्रम— यह पाठ्यक्रम सन् 2007 से प्रभावी रहेगा)

**द्वितीय प्रश्नपत्र—भारतीय ज्योतिष, तिथि निर्णय एवं पंचांग परिचय**

इस प्रश्न-पत्र के दो भाग होंगे, जिसमें 'अ' भाग बहुविकल्पीय (वस्तुनिष्ठ) एवं लघूत्तर प्रश्नों का होगा। 'ब' भाग में निबन्धात्मक प्रश्न होंगे। 'अ' भाग में कुल 20 प्रश्न होंगे, जिनका पूर्णांक 30 होगा। इनके समाधान हेतु एक घण्टा की अवधि निर्धारित की गई है। 'ब' भाग का पूर्णांक 70 होगा। जिसके लिए शेष दो घण्टे की अवधि निर्धारित है। 10 अंक संस्कृत भाषा के माध्यम से उत्तर देने के लिए निश्चित है।

**पाठ्यक्रम**

- 1- भारतीय ज्योतिष के प्रारम्भिक सिद्धान्तों का परिज्ञान 70 अंक  
क-श्रीधरबोध (काशीनाथ देवज्ञ)—प्रथम प्रकरण (लतापातादि दस दोष रहित) 30 अंक  
ख-फलित प्रबोधिनी (विनोद शास्त्री) 40 अंक
- 2- तिथि-निर्णय के सामान्य सिद्धान्त, प्रमुख व्रतपर्व तथा पंचांग

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का सामान्य परिचय-काल के छः भेद, वर्ष के पांच भेद, अयन, ऋतु, मास, पक्ष, तिथि, क्षय, वृद्धि, संक्रान्ति निर्णय, दानादि, अधिकमास-क्षयमास में वर्ज्यावर्ज्य, मलमास, कर्म के भेद एवं निर्णय, प्रदोष व्रत, जन्माष्टमी, गणेश चतुर्थी, रामनवमी, नवरात्रा स्थापना, महालय (श्राद्ध), दीपावली, होलिका आदि का सामान्य ज्ञान अपेक्षित है। पंचांग परिचय में तिथि, वार, नक्षत्र, वार, योग, करण का ज्ञान तथा पंचांग की सहायता से गुण मिलान, विवाह मुहूर्त निर्णय, गृहारम्भ, ग्रह प्रवेश, चौघड़िया विचार, व्यापार प्रारम्भ मुहूर्त आदि जानने की रीति का ज्ञान अपेक्षित है।

अंक-विभाजन

	'अ' भाग प्रश्न संख्या	'अ' भाग के अंक	'ब' भाग प्रश्न संख्या	'ब' भाग के अंक	अंकों का योग
1-क) शीघ्रबोध	03 (लघू.)	06	03	21	9+21=30
	03 (बहु.)	03			
ख) फलित प्रबोधिनी	04 (लघू.)	08	02	28	12+28=40
	04 (बहु.)	04			
2-तिथि-निर्णय	03 (लघू.)	06	03	21	9+21=30
व) पंचांग परिचय	03 (बहु.)	03			
	20	30	08	70	100

प्रश्नपत्र निर्माता के लिए निर्देश

1-भारतीयज्योतिष	'अ' भाग	3 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	09 अंक
		3 बहुविकल्पीय प्रश्न-प्रति प्रश्न 1 अंक निर्धारित	
(क) शीघ्रबोध	'ब' भाग	प्रश्न सं. 1,2,3-6 निबन्धात्मक प्रश्न पूछकर	
		3 प्रश्नों के उत्तर अभीष्ट-प्रति प्रश्न 7 अंक	
		निर्धारित।	21 अंक
(ख) फलित प्रबोधिनी	'अ' भाग	04 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक	
		04 बहुविकल्पीय प्रश्न-प्रति प्रश्न 1 अंक	
		निर्धारित।	12 अंक
	'ब' भाग	प्रश्न सं. 4,5-4 निबन्धात्मक प्रश्न पूछकर	
		2 प्रश्नों के उत्तर अभीष्ट-प्रति प्रश्न 14	
		अंक निर्धारित।	28 अंक

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2-तिथि-निर्णय व 'अ' भाग	3 लघूत्तरात्मक प्रश्न प्रति प्रश्न 2 अंक।	
पंचांग परिचय	03 बहुविकल्पीय प्रश्न-प्रति प्रश्न 1अंक निर्धारित।	09 अंक
'ब' भाग	प्रश्न सं. 6-2 निबन्धात्मक प्रश्न पूछकर 1 प्रश्न का उत्तर अभीष्ट। (पंचांग परिचय संस्कृत में)	10 अंक
	प्रश्न सं. 7-2 निबन्धात्मक प्रश्न पूछकर 1 प्रश्न का उत्तर अभीष्ट।	11 अंक

**सहायक पुस्तकें**

- 1- शीघ्रबोध-पं. काशीनाथ देवज्ञ, चौखम्भा प्रकाशन, वाराणसी
- 2- फलित प्रबोधिनी-डॉ. विनोद शास्त्री, राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, जयपुर
- 3- तिथि-निर्णय के प्रमुख सिद्धान्त एवं विशिष्ट तिथि पर्व-निर्णय-प्रकाशक-राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, त्रिपोलिया, जयपुर
- 4- पंचांग का सामान्य परिचय-पं. शिवचरण शास्त्री एवं विकास शर्मा। प्रकाशक-राजस्थान ज्योतिष परिषद् एवं शोध संस्थान, त्रिपोलिया, जयपुर
- 5- विभिन्न प्रकाशित पंचांगों की सहायता भी ग्राह्य है, जिनमें जयपुर पंचांग पं. दामोदर शर्मा कृत ग्राह्य है।

बी.ए. आनर्स तृतीय वर्ष—द्वादश प्रश्न पत्र-व्याकरण, अनुवाद व निबन्ध

**पाठ्यक्रम**

1- व्याकरण (लघुसिद्धान्तकौमुदी)		69 अंक
क-कृत्यप्रक्रिया	09	
ख-पूर्वकृदन्त	19	
ग-समास-केवल समास एवं अव्ययीभाव	16	
घ-समासान्त	10	
ङ-सिद्धान्तकौमुदी	15	
तद्धितप्रकरण-मत्त्वर्थाय		
2- अनुवाद (हिन्दी से संस्कृत)		15 अंक
निबन्ध—संस्कृत में		16 अंक
कुल योग		100 अंक

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## अंक-विभाजन

पाठ्यवस्तु	'अ' भाग प्रश्न संख्या	अंक	'ब' भाग प्रश्न संख्या	अंक	अंकों का योग
1-व्याकरण (लघुसिद्धान्त कौमुदी)					69
क-कृत्यप्रक्रिया	03(बहु.)	03	01	06(3+3)	09
ख-पूर्वकृदन्त	07(बहु.)	07	01	12(3+4)	19
ग-समास	05(लघु.)	10	01	06(3+3)	16
घ-समासान्त	02(लघु.)	04	01	06(3+3)	10
ङ-तद्धित	03(लघु.)	06	01	09(3+3+3)	15
2-अनुवाद	—	—	01	15	15
3-निबन्ध	—	—	01	16	16
	20	30	07	70	100

## प्रश्नपत्र निर्माता के लिए निर्देश

## 1-व्याकरण

## लघुसिद्धान्त कौमुदी

क-कृत्यप्रक्रिया	'अ' भाग	3 बहुविकल्पीय प्रश्न प्रष्टव्य है-1 अंक प्रति प्रश्न।	03 अंक
	'ब' भाग	प्रश्न सं.1(अ)-में 2 में से किसी एक सूत्र की व्याख्या तथा (ब) में 2 सिद्धियों में से 1 सिद्धि प्रष्टव्य है। प्रत्येक के लिए 3 अंक निर्धारित हैं।	06 अंक
ख-पूर्वकृदन्त	'अ' भाग	7 बहुविकल्पीय प्रश्न प्रष्टव्य है-1 अंक प्रति प्रश्न निर्धारित है।	07 अंक
	'ब' भाग	प्रश्न सं.2(अ)-में 4 में से किन्हीं 2 सूत्रों की व्याख्या तथा (ब) में 4 सिद्धियों में से 2 सिद्धि प्रष्टव्य है। प्रत्येक के लिए 3 अंक निर्धारित हैं।	12 अंक
ग-समास	'अ' भाग	5 लघुसूत्रात्मक प्रश्न प्रष्टव्य है-2 अंक	

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		प्रति प्रश्न निर्धारित है।	10 अंक
	'ब' भाग	प्रश्न सं. 3(अ)-में 2 में से किसी एक सूत्र की व्याख्या तथा (ब) में 2 सिद्धियों में से 1 सिद्धि प्रष्टव्य है। प्रत्येक के लिए 3 अंक निर्धारित हैं।	06 अंक
घ-समासान्त	'अ' भाग	2 लघूत्तरात्मक प्रश्न प्रष्टव्य हैं-2 अंक प्रति प्रश्न निर्धारित हैं।	04 अंक
	'ब' भाग	प्रश्न सं. 4(अ)-में 2 में से किसी एक सूत्र की व्याख्या तथा (ब) में 2 सिद्धियों में से 1 सिद्धि प्रष्टव्य है। प्रत्येक के लिए 3 अंक निर्धारित हैं।	06 अंक
ङ-तद्धित	'अ' भाग	2 लघूत्तरात्मक प्रश्न प्रष्टव्य हैं-2 अंक प्रति प्रश्न निर्धारित हैं।	06 अंक
	'ब' भाग	प्रश्न सं. 5(अ)-में 2 में से किसी एक सूत्र की व्याख्या तथा (ब) में 4 सिद्धियों में से 2 सिद्धि प्रष्टव्य हैं। प्रत्येक के लिए 3 अंक निर्धारित हैं।	09 अंक
2- निबन्ध	'ब' भाग	प्रश्न सं. 6-4 विषय देकर किसी एक विषय पर निबन्ध प्रष्टव्य है।	16 अंक
3- अनुवाद	'ब' भाग	प्रश्न सं. 7-10 में से किन्हीं 5 वाक्यों का हिन्दी से संस्कृत में अनुवाद अपेक्षित है, प्रत्येक वाक्य के लिए 3 अंक निर्धारित हैं।	15 अंक

## सहायक पुस्तकें

## क- व्याकरण—

- 1- लघुसिद्धान्तकौमुदी—अर्कनाथ चौधरी, जगदीश संस्कृत पुस्तकालय, जयपुर
- 2- लघुसिद्धान्तकौमुदी—श्री महेशसिंह कुशवाहा
- 3- लघुसिद्धान्तकौमुदी—(भेमीव्याख्या); श्री भीमसेन शास्त्री

## ख- अनुवाद

- 1- प्रौढरचनानुवादकौमुदी, डॉ. कपिलदेव द्विवेदी
- 2- अनुवादचन्द्रिका, चक्रधर हंस नोटियाल

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ग- निबन्ध

- 1- प्रबन्धप्रकाश, डॉ.मंगलदेव शास्त्री
- 2- प्रबन्धप्रदीप, हंसराज अग्रवाल
- 3- संस्कृतनिबन्धनवनीतम्, डॉ. द्विवेदी एवं चतुर्वेदी, श्रीराम मेहरा एंड कं. आगरा

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## 5. PHILOSOPHY (HONS.)

Scheme :

Four Papers	Duration	Max. Marks	Min. Pass Mark
1. Paper IX	3 hrs.	100	
2. Paper X	3 hrs.	100	160
3. Paper XI	3 hrs.	100	
4. Paper XII	3 hrs.	100	

Note : The paper will contain nine questions. Candidates are required to attempt five questions in all selecting at least one question from each section each question of 20 marks. The candidate will be required to offer any four papers out of the following papers.

### Paper J : Philosophy of Religion

#### Section-A

1. Philosophy of religion : Nature and concerns.
2. Religion : Origin and types; religion without God; atheism, theism, deism, pantheism.
3. Reason, faith and revelation.
4. The concept of dharma.

#### Section-B

5. Attributes of God : omniscience, omnipotence, omnipresence, eternity, goodness;
6. The problem of evil.
7. Proofs for the existence of God : Indian and Western.

#### Section-C

8. Prayer and bhakti.
9. Immortality of the soul; transmigration and the doctrine of karma.
10. Religious experience : Brahmanubhava; mysticism.
11. Religious language : cognitivist and non-cognitivist debate.

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**SUGGESTED READINGS:**

John Hick	: Philosophy of Religion.
McPherson	: The Philosophy of Religion.
John Hick (Ed)	: Classical and Contemporary Readings in Philosophy of Religion.
Harendra Prasad Sinha	: धर्म दर्शन की रूपरेखा
Yaqub Masih	: Religious Philosophy
H.N. Mishra	: धर्म दर्शन परिचय

Note : The paper will contain nine questions. Candidates are required to attempt five questions in all selecting at least one question from each section. Each question of 20 marks.

**Paper III : Philosophy of Science**

**Section-A**

3. Scientific Method (Toulmin chapter 1, Ritchie Chapter 1.1).
4. Laws of Nature (Toulmin chapter 3 Ritchie Chapter 2).

**Section-B**

5. Measurement (Ritchie Chapter 3, 4 and 5).

**Section-C**

6. Scientific Theories (Toulmin Chapter 4 and Ritchie Chapter 6).

**Prescribed Books :**

1. S. Toulmin, Philosophy of Science.
2. Ritchie, Scientific Method (Hindi Translation by K.L. Sharma & Ramesh Sharma, Rajasthan Hindi Granth Academy, Jaipur 1967)

Note : The paper will contain nine questions. Candidates are required to attempt five questions in all selecting at least one question from each section. Each question of 20 marks.

**Paper IV : Political Philosophy**

**Section-A**

1. Political ideologies : democracy, socialism, fascism, theocracy, communism, anarchism, sarvodaya.

**Section-B**

2. Methods of Political action: constitutionalism, revolutionism,

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terrorism. satyagraha.

**SUGGESTED READINGS:**

- N.V. Joshi : Social and Political Philosophy.  
D.D. Raphael : Problems of Political Philosophy.  
T.S. Devadoss : Sarvodaya and the problem of Political Sovereignty.  
Leo Stravss : What is Political Philosophy

Note : The paper will contain nine questions. Candidates are required to attempt five questions in all selecting at least one questions from each section each question of 20 marks.

*M* *XII* **Paper IV : Bhagvad Gita**  
Prescribed Books : Tilak Commentary

**Section-A**

Chapters : 1, 2, 3, 4, 5, 6

**Section-B**

Chapters : 7, 8, 9, 10, 11, 12

**Section-C**

Chapters : 13, 14, 15, 16, 17, 18

Note : The paper will contain nine questions. Candidates are required to attempt five questions in all selecting at least one questions from each section. Each question of 20 marks.

**Paper V : Kenopnisad, Kathopanisad & Isopanisad with Sanskar Tika**

**Section-A**

Kenopnisad

**Section-B**

Kathopanisad

**Section-C**

Isopanisad

**Suggested Readings :**

Note : The paper will contain nine questions. Candidates are required to attempt five questions in all selecting at least one questions from each section. Each question of 20 marks.

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**Paper VI: Philosophy of Culture**

**Section-A**

1. Culture, definition and nature.
2. Culture and civilization and pauranika.
3. Culture and history.

**Section-B**

4. Tradition and modernity.
5. Method of religion and spiritual experience.
6. Individual, society and state.

**Section-C**

7. Art, nature of evaluation of art objects.
8. Education and politics.

**SUGGESTED READINGS:**

- N.K. Devraj : Sanskriti ka Darshanik Vivechana, Hindi Samiti, Department of Information, U.P. Govt., Lucknow.
- Yashdev Shalya : Sanskriti: Manav Kartritva ki Vyakhya.
- G.C. Pandey : The meaning and process of culture, Shiv Lal Agarwal and company, 1972.

**Note :** The paper will contain nine questions. Candidates are required to attempt five questions in all selecting at least one questions from each section. Each question of 20 marks.

**Paper VII: Emerging Trends of Thought**

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**Paper VII- Emerging Trends of Thought**  
(Total Teaching Hrs.: 90)

**Unit A: Feminism**  
Teaching Hrs.: 35

Topics	Division of teaching hrs.
1. Philosophy & Feminism, Definition of Gender: Gender as a social/cultural construct.	8
2. Development of Feminist Consciousness & its different Phases	8
3. Personal and Social Identity.	4
4. Aristotle, Manu and Gandhi's view on women.	15

**Unit B: Peace Studies**  
Teaching Hrs.: 25

Topics	Division of teaching hrs.
1. Peace as non-violence, Gandhi's contribution to peace: satyagraha & civil disobedience.	10
2. Roots and forms of violence	7
3. Peace as a value in religion.	8

**Unit C: Human Rights**  
Teaching Hrs.: 30

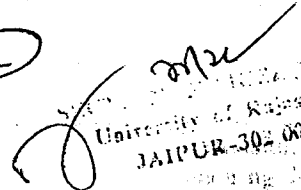
Topics	Division of teaching hrs.
1. Definition, nature, Content, Legitimacy and priority of Human Rights.	15
2. Human Rights in the Indian Constitution and Fundamental Rights & Directive Principles of State Policy	15

**SUGGESTED READINGS :**

- Susie Tharu & V : Women's Writing in India, Delhi : Oxford University Press, 1991.
- Rosemarie Tong : The Science Question in Feminism, Open University Press, 1986.
- Mary Evans : Introducing Contemporary Feminist Thought, Cambridge : Polity Press, 1997.
- Vandana Shiva : Ecofeminism, (MIES), Zed Books, 1993

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- Gayatri : In Other Words : Essays in Cultural  
 Chakravarty Spivak : Politics, London : Routledge, 1990  
 Veena Ponnacha : Gender Within the Human Rights Discourse.  
 Morwenna : Feminism and the Self: The Web of  
 Griffiths : Identity  
 Allan Wingate : Human Rights - Comment and Interpretation, UNESCO, 1949
- Philip Alston (ed.) : The United Nations and Human Rights : A  
 Critical Appraisal, Oxford: Clarendon Press,  
 1992.
- Danilo Turk : The New International Economic Order and  
 the Promotion of Human Rights, UNESCO,  
 1990.

European Convention on Human Rights (ECHR).  
 International Covenant on Civil and Political Rights (ICCPR).  
 International Covenant on Economic, Social and Cultural Rights  
 (ICESCR).

Universal Declaration of Human Rights (UDHR).

Steve Marks : Peace, Development & Human Rights  
 Education

Magnus Haavelstred : Peace, Education

K.S. Murthy : The Quest for Peace

Thomas Weber : Conflict Resolution and Gandhian Ethics

Gene Sharp : Politics of Non-violent Action

Radha Krishna : Recovery & faith

Radha Krishna : Eastern Religions and Western thought

Bhagwan Das : The Essential unity of Religion

Mahatma Gandhi : My religion

Y. Masih : Contemporary Philosophy of Religion

Upanisads : Geeta Prem

Vinoba Bhave : Shanti Senu

Indian Constitution : Universal Declaration of Human Rights

**Paper VIII : Logic (Indian)**

**Section A**

Inference in Nyaya : Definition, Constituents, Process & Types

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of Vyapti. Paramarsa. Vyapti Grahopaya, Major Hetvabhasa

**Section B**

Inference in Bushism : Definition, Constituents, Process Types of Anumana & Vyupti and Major Hetvabhash.

**Section C**

Inference in Jainism : Definition, Constituents, Process, Types of Anumana & Vyupti and Major Hetvabhash.

**Suggested Reading :**

- |                    |  |
|--------------------|--|
| Amambhatta         | : Tarkasangraha  |
| Dharmakirti        | : Nyayahbindu  |
| Yasovigaye         | : Jaina Tarka Bhasa                                    |
| S.S. Barlingay     | : A Modern Introduction to Indian Logic.               |
| B.K. Matilal       | : Logic Language and Reality                           |
| S.K. Maitra        | : Fundamental questions of Indian malaphysics & Logic. |
| F. Thstchebats kej | : Buddhist Logic. Vols. I & II                         |
| C. Bhattacharyya   | : Elements of Indian Logic & Epistemology              |
| S. Chatteyee       | : Nyaya Theory of Knowledge                            |
| R. Prasad          | : Buddhist Logic.                                      |

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## 6. SOCIOLOGY

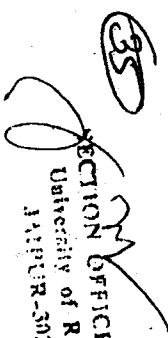
Scheme :

Four Paper	Papers IX	Duration 3 hrs.	Max. Marks 100	Min. Pass Mark 160
	X	3 hrs.	100	
	XI	3 hrs.	100	
	XII	3 hrs.	100	

Paper IX : Foundations of Sociological Thought

Course outline :

- The emergence of sociology.
- Transition from social philosophy to sociology-The intellectual context; Enlightenment.
- The social, economic and political forces. The French and Industrial Revolutions.
- The pioneers

  
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**Unit-I** : Comte : Positivism-Spencer. Social Darwinism, Superorganic evolution.

**Unit-II** : The classical tradition : Durkheim: Social Solidarity and Suicide-Weber : Authority and The Protestant Ethic and the Spirit of Capitalism.Marx; Materialist conception of history and Class struggle.Pareto: Circulation of elites.

**Unit-III** : Schools of sociological theory An Elementary Introduction : Functionalism-conflict school-Social action perspectives. Development of sociological thought in India.

**Essential readings :**

1. Aaron, Raymond, 1967 (1982 reprint) Main current in Sociological Thought (2 volumes) Harmondsworth, Middlesex; Penguin Books
2. Barnes. H.E. 1959, Introduction to the History of Sociology. Chicago. The University of Chicago Press.
3. Coser, Lewis A 1979 Masters of Sociological Thought. New York : Harcourt Brace Jovanovich.
4. Fletcher. Ronald. 1994. The Making of Sociology (2 volumes). Jaipur : Rawat.
5. Morrison, Ken, 1995. Marx. Durkheim. Weber: Formation of Modern Social Thought London : Sage.
6. Ritzer, George. 1996. Sociological Theory. New Delhi : Tata-McGraw Hill.
7. Singh, Yogendra 1986, Indian Sociology : Social Conditioning and Emerging Trends, New Delhi : Vistaar.
8. Zeitrin, Irving. 1998 (Indian edition) : Rethinking Sociology : A Critique of Contemporary Theory, Jaipur : Rawat.

**Paper X : Crime and Society**

**Course Outline**

**Unit-I** : Conceptions and Types of Crimes, legal, behavioural sociological; crime & delinquency; types of crime; white-collar crime; terrorism; related crimes.

Early Explanations; positivist, psychological, geographical.

**Unit-II** : Sociological Explanation : Differential association, group processes, delinquent subculture, opportunity structure, social structure and anomie, Mertonian perspective, labelling theory.

Changing Profile of Crime and Criminals in Contemporary India

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dia, Computer Tech. & Information and the native crime.

**Unit-III : Theories of Punishment; retributive, deterrent, reformative. Correction : meaning and types-prison based, community based, probation, parole, open prison.**

**Essential readings :**

1. Teeters, Negley and Harry Elnar Banes, 1959. New Horizons in Criminology, New Delhi. Prentice Hall of India.
2. Sultherland, Edwin, H. and Donald R. Cressey, 1968. Principles of Criminology, Mumbai : Times of India Press.
3. Parsonage, William H. 1997. Perspectives on Criminology. London: Sage Publications.
4. Gill, S.S. 1998. The Pathology of Corruption. New Delhi : Harper Collins Publishers (India).
5. Reid, Suetitus, 1976. Crime and Criminology. Illinois; Deyden Press.
6. Merton. R.K. 1972, Social Theory and Social Structure, New Delhi : Emerind Publishing Co.

**References**

1. Ahuja, Ram : Criminology
2. Bedi, Kiran, 1998. It is Always Possible. New Delhi: Sterling Publication Pvt. Ltd.
3. Williams, Frank P and Marilyn D. Meshere. 1998. Criminological Theory. New Jersey : Prentice Hall.
4. Williamson, Herald E. 1990 : The Correction Profession. New Delhi; Sage Publications.
5. Ministry of Home Affairs, Report of the All India Committee on Jail Reforms. 1980-83. New Delhi : Government of India.

**Paper XI : Industrial Sociology**

**Course Plan**

**Unit-I Industrial Sociology, Meaning, Subject matter.**

**Scope and importance of the study of Industrial Sociology.**

**Industrial organisation, Production process.**

**Unit-II : Labour characteristics in sociological perspectives.**

**Industrial work, organisational process of Industrial work.**

**Worker, supervisor and authority relations.**

**Unit-III : Labour management relations : An overview of industrial and labour relations; A Conciliation, collective bargaining and adjudication.**

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- Joint management councils and quality circles.
- Trade union, its functions and participatory management and housing and community welfare. Trade union movement.
- Dynamics of Industrial society in the context of globalisation.

**Essential Readings**

1. Schneider EV 1957 : Industrial Sociology, McGraw Hill, New York.
2. Gilbert Pascal 1972 : Fundamentals of Industrial Sociology. Tata McGraw Mumbai.
3. Ramaswamy ER 1977 : The Worker and His Union, Allied, New Delhi.
4. Ramaswamy ER 1978 : Industrial Relations in India, MacMillan, New Delhi.
5. Pnekar S.D. et al 1978 : Labour Welfare, Trade Union and Industrial Relations, Himalaya Publishing House, Mumbai.
6. Laximanna C et al. 1990 : Workers, Participation and Industrial Democracy Ajantha Publications, New Delhi.
7. As there are no popular and standard text books of recent publications particularly reflecting the Indian situation, the teacher is required to prepare teaching materials through journals, articles, trend reports, seminars and symposia reports and use them along with the books prescribed for reading.

(C) Dissertation

Paper XII (A) Gender and Society  
(B) Environment and Society } my  
Max Marks : 100  
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**BA Hons Pt III**

**Paper XII (a): Gender and Society**

**Unit I: Social Construction of Gender**

Gender vs. Biology  
Women in the family: socialization, gender roles  
Patriarchy as ideology and practice  
Emergence of Feminist Thought  
Socio-historical perspective  
Mapping various women's movements

**Unit II: Gender and Sociological Analysis**

Feminist critiques of sociological theories/prevaling theories  
Feminist methodology as critique of sociological methods/methodology  
Emergence of women's studies

**Unit III: Gender based Division of Labour/Work**

Production vs. Reproduction, household work, invisible work  
Women's work and technology  
Development policies, liberalization and globalization and their impact on women

**Essential readings:**

Altekar, A.S. 1983. The Position of Women in Hindu Civilization. Delhi: Motilal Banarasidass, Second Edition: P Fifth reprint.  
Chodrow, Nancy. 1978. The Reproduction of Mothering. Berkeley: University of California Press.  
Desai Neera and M. Krishnaraj. 1987. Women and Society in India. Delhi: Ajanta.  
Dube, Leela et.al. (eds.) 1986. Visibility and Power: Essays on Women in Society and Development. New Delhi: OUP.

- Forbes, G. 1998. Women in Modern India New Delhi, Cambridge University Press.
- India, Government of India. 1974. Towards Equality: Report of the Committee on the Status of Women.
- Maccoby, Eleanor and Carol Jacklin. 1975. The Psychology of Sex Differences. Stanford: Stanford University Press.
- McCormack, C. And M. Strathern (ed.) 1980. Nature, Culture and Gender. Cambridge: Cambridge University Press.
- Myers, Kristen Anderson et.al. (eds.) 1998. Feminist Foundations: Towards Transforming Sociology. New Delhi: Sage.
- Oakley, Ann. 1972. Sex, Gender and Society. New York: Harper and Row.
- Sharma, Ursula. 1983. Women, Work and Property in North-West India. London: Tavistock.
- Shulamitz, Reinhartz and Lynn Davidman. 1991. Feminist Research Methods. New York: Oxford University Press.
- Srinivas, M.N. Caste: Its Modern Avatar, New Delhi: Penguin (Leela Dube's Article on Caste and Women).
- Vaid, S. & K. Sangari. 1989. Recasting Women: Essays in Colonial History, New Delhi: Kali For Women.

#### References

- Agarwal, B. 1994. A Field of One's Own: Gender and Land Rights in South Asia, Cambridge: Cambridge University Press.
- Chanana, Karuna. 1988. Socialization, Women and Education: Explorations in Gender Identity, New Delhi: Orient Longman.
- Dube, Leela. 1997. Women and Kinship: Comparative Perspectives on Gender in South and South-East Asia. Tokyo: United Nations University Press.
- Gandhi, N. And N. Shah. 1992. The Issues at Stake: Theory and Practice in the Contemporary Women's Movement in India. New Delhi: Kali For Women.
- Ghadially, Rehana (ed.) 1988. Women in Indian Society. New Delhi: Sage.
- Jayawardene, Kumari. 1991. Feminism and Nationalism in the Third World. New Delhi: Kali For Women.
- Mies Maria. 1980. Indian Women and Patriarchy: Conflicts and Dilemmas of Students and Working Women. New Delhi: Concept.
- Omvedt, Gail. 1975. 'Caste, Class and Women's Literation in India,' Bulletin of Concerned Asian Scholars. 7
- Pardeshi, Pratima. 1998. Dr. Ambedkar and the Question of Women's Liberation in India. Pune: WSC, University of Pune.
- Tong, Rosemarie, 1989. Feminist Thought: A Comprehensive Introduction. Colorado: Westview Press.
- Whelham, Imelda. 1997. Modern Feminist Thought. Edinburgh: Edinburgh University Press.

#### Paper XII (b): Environment and Society

Unit I: Environmental Sociology: The rise, decline, and resurgence of environmental sociology, 21st century paradigm.

Emerging theoretical parameters in environmental sociology. Contributions of Zavestoskis, Dunlap and Catton, Ramachandra Guha, Patrick Giddens and Radha Kamal Mukerjee.

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**Unit II: Nature versus Nurture: synthesis of societal and environmental dialect.**  
Environmental Issues pertaining to population, space, water, sanitation, pollution, energy,  
Housing and urban development and rural poverty.  
Social impact assessment of environmental issues ,  
Development, displacement, Relocation and environmental problems.

**Unit III: Global Environmentalism: A challenge to post-materialism thesis,**  
Environment, technology and society.  
Environmental justice, policy and action.

**Essential readings:**

- Gadgil, Madhav and Ramchandra Guha, 1996, Ecology and Equity: The Use and Abuse of Nature in contemporary India. New Delhi: OUP  
Giddens, Anthony. 1996 "Global Problems and Ecological Crisis" in Introduction to Sociology. 2nd Edition. New York: W.W. Norton and Co.  
Michael Redclift, 1984 Development and the Environmental Crisis, Meheun Co. Ltd. New York.  
Munshi, Indra. 2000 "Environment' in Sociological Theory" Sociological Bulletin. Vol.49, No.2.  
O L Riordan T, 1981 Environmentalism, Pion  
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UNDP. Sustainable Development. New York: OUP  
World Commission on Environment and Development, 1987. Our common future Brutland report, New Delhi :Oxford university press.

**Paper XII (c): Dissertation**

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### 7. POLITICAL SCIENCE (HONS.)

**Scheme :**

Four Papers	Papers	Duration	Max. Marks	Min. Pass Mark
Paper IX	IX	3 hrs.	100	
Paper X	X	3 hrs.	100	160
Paper XI	XI	3 hrs.	100	
Paper XII	XII	3 hrs.	100	

**Note :** Each question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type

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and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The candidates shall be required to attempt one questions of 20 marks from each section.

नोट—प्रत्येक प्रश्न पत्र 3 घण्टों में हल करना होगा।

प्रश्न पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्नपत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम। घण्टे की अवधि प्रश्न पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से सम्बन्धित होंगे। प्रश्न पत्र के इस भाग में पूरे पाठ्यक्रम से सम्बन्धित प्रश्न होंगे।

प्रश्न पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निर्बंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए, कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न पत्र का यह भाग 60 अंकों का होगा।

प्रश्न पत्र—नवम : पश्चिमी राजनीतिक चिन्तन का इतिहास

खण्ड 'अ'

यूनानी राजनीतिक चिन्तन—सोफिस्ट, सुकरात, प्लेटो व अरस्तू।

रोमन व मध्ययुगीन राजनीतिक चिन्तन—एकिनास, मार्सीलियो ऑव पेद्रुआ तथा कन्सीलियर आंदोलन के योगदान के विशिष्ट संदर्भ में।

खण्ड 'ब'

पुनर्जागरण तथा आधुनिक राजनीतिक चिन्तन—मेकियावली, बोदा, हाबस, लॉक व रूसो।

खण्ड 'स'

बेन्थम, जे.एस. मिल., हीगल, ग्रीन, मार्क्स तथा एच.जे. लॉकसी।

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अनुशंसित पुस्तकें :

1. सेनाइन : राजनीतिक चिन्तन का इतिहास।
2. बॉकर : यूनानी राजनीतिक चिन्तन।
3. बॉकर : प्लेटो एण्ड हिज प्रॉडेसेसर्स।
4. डनिंग : हिस्ट्री ऑव पॉलिटिकल थॉट।
5. जे.पी. सूद : राजनीतिक चिन्तन का इतिहास।

**Paper IX : History of Western Political Thought**

**Note :** The question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The Candidates shall be required to attempt one questions of 20 marks from each section.

**Section 'A'**

Greek Political Thought-Sophists, Socrates, Plato and Aristotle Roman and Medieval Political Thought with special reference to the contributions of Aquinas, Marsilio of Padua, and Counciliar movement.

**Section 'B'**

Renaissance and Modern Political thought, Machiavelli, Bodin, Hobes, Locke and Rousseau

**Section 'C'**

Bentham, J.S. Mill, Hegal, Green, Karl Marx, H.J. Laskin

**Book Recommended :**

1. Sabine : History of Political Thought
2. Barker : Plato and His Predecessors
3. Dunning : History of Political Thought.
4. Allen : Sixteenth Century Political Thought.
5. Ebenstein : Great Political Thinkers.
6. Alexander Gray : Socialist Tradition.

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**प्रश्न पत्र-दशम : आधुनिक राजनीतिक विश्लेषण**

नोट—प्रश्न पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्नपत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से सम्बन्धित होंगे। प्रश्न पत्र के इस भाग में पूरे पाठ्यक्रम से सम्बन्धित प्रश्न होंगे।

प्रश्न पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए, कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न पत्र का यह भाग 60 अंकों का होगा।

**खण्ड 'अ'**

राजनीतिक विश्लेषण के सम-सामयिक दृष्टिकोण का विकास, सिद्धांत-निर्माण के प्रयास, राजनीति विज्ञान व उसकी सामाजिक प्रासंगिकता।

**खण्ड 'ब'**

समूह सिद्धांत, वितरणात्मक उपग्रह (लॉसवेल), निर्णय-निर्माण सिद्धांत, संचार सिद्धांत।

**खण्ड 'स'**

राजनीतिक प्रक्रिया व राजनीतिक परिवर्तन, राजनीतिक समाजीकरण, राजनीतिक संस्कृति, राजनीतिक आधुनिकीकरण, राजनीतिक विकास।

अनुशासित पुस्तकें :

1. एस.पी. वर्मा : आधुनिक राजनीतिक सिद्धांत।
2. एस.एल. वर्मा : आधुनिक राजनीतिक सिद्धांत।
3. रॉबर्ट डह्ल : पॉलिटिकल एनेलाईसिस।
4. जे.सी. ओहरी : कन्टम्परेरी पॉलिटिकल थ्योरी।

**Paper X : Modern Political Analysis**

Note : The question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type

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and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The candidates shall be required to attempt one questions of 20 marks from each section.

**Section 'A'**

Evolution of contemporary perspectives of Political Analysis; The Search for Theory building. Political Science and the context of Social relevance.

**Section 'B'**

Group Theory; Distribution Approach (Lasswell); Communication Theory; Decision-making theory.

**Section 'C'**

Political process and change; Political Socialisation; Political Culture; Political Modernisation; Political Development.

**Book Recommended :**

1. S.P. Verma : Modern Political Theory.
2. S.P. Verma : Aadhunik Rajnitik Sidhant.
3. S.L. Verma : Aadhunik Rajnitik Sidhant.

**प्रश्न पत्र—एकादश : अन्तर्राष्ट्रीय विधि**

प्रश्न पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अतिव्यापक प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्नपत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से सम्बन्धित होंगे। प्रश्न पत्र के इस भाग में पूरे पाठ्यक्रम से सम्बन्धित प्रश्न होंगे।

प्रश्न पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबन्धात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए, कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न

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पत्र का यह भाग 60 अंकों का होगा।

**खण्ड 'अ'**

अन्तर्राष्ट्रीय विधि का अर्थ, प्रकृति, क्षेत्र व प्रकार, अन्तर्राष्ट्रीय विधि के स्रोत व विकास, संहिताकरण, मान्यता, युद्ध स्थिति (बॉलीजनेन्सी) व विद्रोहिता (इनस्पूएनेन्सी), राज्यों के अधिकार, हस्तक्षेप, उत्तराधिकार, राष्ट्रीयता व नागरिकता की समस्याएँ।

**खण्ड 'ब'**

अन्तर्राष्ट्रीय संव्यवहार, राजनयिक उन्मुक्तियाँ, राज्य प्रदेश का अर्जन व अपहरण, समुद्रीय पट्टी, समुद्रीय व समुद्र तलीय कानून, अन्तर्राष्ट्रीय विवाद, संयुक्त राष्ट्र संघ, अन्तर्राष्ट्रीय न्यायालय व अन्य विशेषीकृत संस्थाओं की भूमिका।

**खण्ड 'स'**

युद्ध की विधि : युद्ध की घोषणा व समाप्ति, आयोधीय, गैर आयोधीय नीजितमाल न्यायालय (प्राइज़कोर्टस), हवाई युद्ध की विधियाँ, समयबद्ध युद्धविराम व आत्मसमर्पण, युद्ध अपराध और जनवध, तटस्थता की विधियाँ, तटस्थ राज्यों के अधिकार और दायित्व, विनिबिद्ध तथा परिवेष्टन, अंततस्थ सेवार्येँ और अतटस्थ सेवाओं के लिए दण्ड, कतिपय प्रमुख वाद।

अनुशासित पुस्तकें :

1. मोन्ड्र सिंह : रिसेन्ट ट्रेन्ड्स इन दि. इवल्समेंट ऑफ इंटरनेशनल लॉ।
2. ऑपनहाइम : इंटरनेशनल लॉ, वॉल्यूम-1।
3. फर्निक : दी चेजिंग स्ट्रक्चर ऑफ इंटरनेशनल लॉ।
4. केल्सन : प्रिंसिपल ऑफ इंटरनेशनल लॉ।
5. ब्राइली, जे.एल. : दी लॉ ऑफ नेशन्स।
6. टण्डन एवं टण्डन : अन्तर्राष्ट्रीय विधि।
7. हरीश चन्द्र शर्मा : अन्तर्राष्ट्रीय कानून।
8. एस.के. कपूर : अन्तर्राष्ट्रीय विधि।
9. शील कान्ता आसोपा : अन्तर्राष्ट्रीय विधि।

**Paper XI : International Law**

**Note :** The question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the

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Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The Candidates shall be required to attempt one question of 20 marks from each section.

**Section 'A'**

Meaning, Nature, Scope and Kinds of International Law Sources and codification of International Law-Evolution of International Law. Recognition, Belligerency and insolvency.

Rights of the States, Intervention, succession, Problems of Nationality and Citizenship.

**Section 'B'**

International transactions, Diplomatic immunities-acquisition and loss of territory, maritime belt, continental shelf, law of the sea and Seabed. International disputes, Role of the U.N.O., International Court of Justice and other specialised agencies.

**Section 'C'**

Law of war, declaration and renunciation of war, Belligerents, combatants and Non-Combatants, Prize courts, Laws of warfare. Time armistice & Capitulations. War crimes and genocide. Laws of Neutrality, Rights and duties of Neutrals, Contrabands. Blockade, Unneutral Service and Punishment for unneutral services, Some leading cases.

**Book Recommended :**

1. Nagendra Singh : Recent Trends in the Development of International Law.
2. Oppenheim : International Law, Vol. I.
3. Fenwick : The Changing Structure of International Law.
4. Kelsen : Principles of International Law.
5. Sheelkant Asopa : The Law of Nations.

प्रश्न पत्र—द्वादश : अग्रलिखित प्रश्न पत्रों में से कोई एक भाग 'ए' अथवा भाग 'ब'

प्रश्न पत्र—द्वादश—क (XII-ए) अनुसंधान-प्रविधियाँ

नोट—प्रत्येक प्रश्न पत्र 3 घण्टों में विभाजित होगा।

प्रश्न पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत

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दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्नपत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से सम्बन्धित होंगे। प्रश्न पत्र के इस भाग में पूरे पाठ्यक्रम से सम्बन्धित प्रश्न होंगे।

प्रश्न पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए, कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न पत्र का यह भाग 60 अंकों का होगा।

**खण्ड 'अ'**

विज्ञान व समाजविज्ञान—वैज्ञानिक पद्धति व समाजविज्ञानों में उसका उपयोग, सर्वेक्षण, अनुसंधान व उसके उपयोग।

**खण्ड 'ब'**

अनुसंधान—अभिकल्प व उसके आधारभूत चरण, निदर्शन; तथ्य-संकलन, प्रश्नावली व साक्षात्कार।

**खण्ड 'स'**

पूर्व—परीक्षण तथा मार्गदर्शी अध्ययन, तथ्य-संसाधन (डॉटा प्रोसेसिंग); संकेतीकरण तथा सारणी, प्रतिवेदन लेखन।

अनुशासित पुस्तकें :

1. ई.आर. बॉबी : सर्वे रिसर्च मेथड्स
2. ई.सी. जेकस : कन्डक्टिंग पॉलिप्टिकल रिसर्च
3. एच.एम. ब्लेक जूनियर : एन इन्ट्राकडक्शन टू सोशल सर्वे
4. पी.वी. यंग : साइंटिफिक सोशल सर्वे एण्ड रिसर्च
5. गुडे एण्ड हैट : रिसर्च मेथड्स इन सोशल साइंसिज
6. लवानिया : अनुसंधान प्रविधि
7. एस.एल. वर्मा : शोध पद्धति
8. बी.एम. जैन : अनुसंधान विधियाँ

**Paper : XII (A) Research Methods (Either A or B)**

**Note :** The question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Questions one shall contain 20 questions of multiple choice

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प्रश्नपत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से सम्बन्धित होंगे। प्रश्न पत्र के इस भाग में पूरे पाठ्यक्रम से सम्बन्धित प्रश्न होंगे।

प्रश्न पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए, कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न पत्र का यह भाग 60 अंकों का होगा।

**खण्ड 'अ'**

कल्याणकारी राज्य में स्थानीय स्वशासन की धारणा, भारत में स्थानीय स्वशासन का विकास, स्थानीय स्वशासन का संगठन। नगरीय स्थानीय शासन के प्रकार : नगरीय स्थानीय निकायों का क्षेत्र संरचना शक्तियाँ व कार्य, स्वायत्तता व राज्य के नियंत्रण की समस्याएँ, स्थानीय शासन में कार्मिक प्रबंधन, शहरी स्थानीय निकायों की वित्तीय व्यवस्था।

**खण्ड 'ब'**

ग्रामीण स्थानीय शासन : लोकतांत्रिक विकेन्द्रीकरण की धारणा, पंचायती राज संस्थाएँ : जिला परिषद, पंचायत समिति, ग्राम पंचायत व ग्राम सभा का संगठन, शक्तियाँ व कार्य : पंचायती राज संस्थाओं के महाराष्ट्र, गुजरात व राजस्थान में अपनाए गए प्रतिमान तथा संबंधित राज्यों में उनकी कार्यविधि का तुलनात्मक आंकलन।

**खण्ड 'स'**

क्लेक्टर, अतिरिक्त जिला विकास अधिकारी, सब-डिवीजनल अधिकारी, खण्ड विकास अधिकारी, ग्राम सेवक तथा पंचायत सचिव की भूमिका, पंचायती व्यवस्था के विभिन्न संस्तरों पर आधिकारियों व गैर-अधिकारियों के संबंध, पंचायती वित्त, पंचायती संस्थाओं पर नियंत्रण, सामुदायिक विकास व पंचायती राज, समन्वय व जनता की सहभागिता की समस्याएँ।

**अनुशासित पुस्तकें :**

1. आर.एल. खन्ना : म्युनिसिपल गवर्नमेंट एण्ड एडमिनिस्ट्रेशन इन इण्डिया
2. आर. अग्रवाल : म्युनिसिपल गवर्नमेंट इन इण्डिया
3. आर.वी. जंधार : इवोल्यूशन ऑफ पंचायती राज इन इण्डिया
4. जैकब : रीडिंग इन पंचायती राज
5. एस.आर. माहेश्वरी : लोकल गवर्नमेंट इन इण्डिया
6. एम. भट्टाचार्य : म्युनिसिपल गवर्नमेंट एण्ड एडमिनिस्ट्रेशन इन इण्डिया
7. अशोक शर्मा : स्थानीय शासन
8. के.के. पुरी और जी.एस. बरार : लोकल गवर्नमेंट इन इण्डिया

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9. राजेश्वर दयाल : पंचायतीराज इन इण्डिया।

अथवा प्रश्न पत्र द्वादश : ख (XII-बी) भारत में स्थानीय शासन

नोट—प्रत्येक प्रश्न पत्र 3 घण्टों में विभाजित होगा।

प्रश्न पत्र के दो भाग होंगे। प्रथम भाग 40 अंकों का होगा। इस भाग में दो अनिवार्य प्रश्न होंगे। 20 अंकों के एक प्रश्न में, एक-एक अंक के 20 बहुविकल्पीय प्रश्न होंगे। 20 अंकों का द्वितीय प्रश्न सीमित शब्द संख्या वाले प्रश्नों का होगा। इस प्रश्न के अंतर्गत दो-दो अंकों के 10 प्रश्न होंगे। प्रत्येक प्रश्न का उत्तर परीक्षार्थी को अधिकतम 20 शब्दों में देना होगा। निर्धारित शब्द सीमा से अधिक शब्दों में उत्तर देने पर अंक काटे जा सकेंगे। प्रश्नपत्र के लिए निर्धारित कुल 3 घण्टों की अवधि में से अधिकतम 1 घण्टे की अवधि प्रश्न पत्र के इस भाग के लिए निर्धारित होगी।

प्रश्न पत्र के इस प्रथम भाग के दोनों प्रश्न, 3 खण्डों में विभाजित पाठ्यक्रम के तीनों खण्डों से सम्बन्धित होंगे। प्रश्न पत्र के इस भाग में पूरे पाठ्यक्रम से सम्बन्धित प्रश्न होंगे।

प्रश्न पत्र के द्वितीय भाग में पाठ्यक्रम के तीनों खण्डों में से प्रत्येक में से दो-दो निबंधात्मक प्रकृति के प्रश्न होंगे। परीक्षार्थियों को प्रत्येक खण्ड में से कम से कम एक प्रश्न का चयन करते हुए, कुल 3 प्रश्न हल करने होंगे। प्रत्येक प्रश्न 20 अंकों का होगा। प्रश्न पत्र का यह भाग 60 अंकों का होगा।

खण्ड 'अ'

कल्याणकारी राज्य में स्थानीय स्वशासन की धारणा, भारत में स्थानीय स्वशासन का विकास, स्थानीय स्वशासन का संगठन। नगरीय स्थानीय शासन के प्रकार : नगरीय स्थानीय निकायों का क्षेत्र व संरचना शक्तियाँ व कार्य, स्वायत्तता व राज्य के नियंत्रण की समस्याएँ, स्थानीय शासन में कार्मिक प्रबंधन, शहरी स्थानीय निकायों की वित्तीय व्यवस्था।

खण्ड 'ब'

ग्रामीण स्थानीय शासन : लोकतांत्रिक विकेन्द्रीकरण की धारणा, पंचायती राज संस्थाएँ : जिला परिषद्, पंचायत समिति, ग्राम पंचायत व ग्राम सभा का संगठन, शक्तियाँ व कार्य ; पंचायती राज संस्थाओं के महाराष्ट्र, गुजरात व राजस्थान में अपनाए गए प्रतिमान तथा संबंधित राज्यों में उनकी कार्यविधि का तुलनात्मक आंकलन।

खण्ड 'स'

क्लेक्टर, अतिरिक्त जिला विकास अधिकारी, सब-डिवीजनल अधिकारी, खण्ड विकास अधिकारी, ग्राम सेवक तथा पंचायत सचिव की भूमिका, पंचायती व्यवस्था के विभिन्न संस्तरों पर आधिकारियों व गैर-अधिकारियों के संबंध, पंचायती वित्त, पंचायती संस्थाओं पर नियंत्रण, सामुदायिक विकास व पंचायती राज, समन्वय व जनता की सहभागिता की समस्याएँ।

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**अनुसंसित पुस्तकें :**

1. आर.एल. खन्ना : म्युनिसिपल गवर्नमेंट एण्ड एडमिनिस्ट्रेशन इन इण्डिया
2. आर. अग्रवाल : म्युनिसिपल गवर्नमेंट इन इण्डिया
3. आर.वी. जयार : इवोल्यूशन ऑफ पंचायती राज इन इण्डिया
4. जैकब : रीडिंग इन पंचायती राज
5. एस.आर. माहेश्वरी : लोकल गवर्नमेंट इन इण्डिया
6. एम. भट्टाचार्य : म्युनिसिपल गवर्नमेंट एण्ड एडमिनिस्ट्रेशन इन इण्डिया
7. अशोक शर्मा : स्थानीय शासन
8. के.के. पुरी और जी.एस. बरार : लोकल गवर्नमेंट इन इण्डिया
9. राजेश्वर दयाल : पंचायती राज इन इण्डिया।

**Paper : XII (B) : Local Government In India**

**Note :** The question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Questions one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The Candidates shall be required to attempt one questions of 20 marks from each section.

**Section 'A'**

The concept of Local Self-Government in Welfare State. The Development of Local Self Government in India. The Organisation of Local Self Government. Patterns of Urban Local Government : Area and Structure of Urban Local bodies, powers and functions. Problems of autonomy and State control over local institutions.

Personnel Management in Local Administration—Municipal Finance.

**Section 'B'**

Rural Local Government : The concept of democratic decentralisation, Panchayati Raj Institutions : Zila Parishad, panchayat Samiti, Village Panchayat, Gram Sabha, their composition, powers and functions. Maharashtra, Gujarat and Rajasthan Models and their comparative working in the respective States.

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**Section 'C'**

The role of Collector, ADDO, S.D.O., VLW., and Secretary panchayat. Official and non-official relationship at various levels. Panchayati Raj Finance, control over these bodies. Community Development and Panchayati Raj. Problems of Co-ordination and People's Participation.

**Book Recommended :**

1. R.L. Khanna : Municipal Government and Administration in India.
2. R. Agrawal : Municipal Government in India.
3. R.V. Jathar : Evolution of Panchayati Raj in India.
4. Jacob : Readings in Panchayati Raj.
5. S.R. Maheswari : Local Government in India.
6. M. Bhattacharya : Municipal Government in India.
7. A. Avasthi : Municipal Government and Administration in India.
8. Ashok Sharma : Local Government.
9. K.K. Puri & G.S. Barar : Local Government in India.
10. Rajeshwar Dayal : Panchayati Raj In India.

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## 8. HISTORY (HONS.)

### Scheme :

There will be Four Papers of History.

Four Papers	Duration	Max. Marks	Min. Pass Mark
Paper IX	3 hrs.	100	40
Paper X	3 hrs.	100	40
Paper XI	3 hrs.	100	40
Paper XII	3 hrs.	100	40

Each Paper will consist of two parts :

Part-A (60 marks : Time allowed 2 hours)

Part-B (40 marks : Time allowed 1 hours)

Part-A will contain 6 (six) essay type questions of 20 marks each-2 each from section A, B and C of the syllabus. The candidate will be required to attempt 3 (three) questions selecting 1 (one) question from each section.

Part-B will contain two types of questions covering the entire syllabus: (i) 10 (ten) short essay type questions of 4 marks each. The candidate will be required to attempt any 5 (five) questions (maxi-

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maximum limit 100 words for each question). (II) 10 (ten) compulsory objective type questions of 2 marks each (maximum limit 10 words for each question).

**Paper IX : Evolution of Indian Culture**

**Section 'A'**

The Epics and their cultural significance. Upanishadic philosophy and teachings of Gita, Shankaracharya's contribution. Doctrines of Sankhya Yoga. Social and Political ideas of Manu and Kautilya.

**Section 'B'**

Growth of assimilative culture, Islam and its impact and Bhakti Movement. Development of art, architecture and literature during medieval times.

**Section 'C'**

Nature and contents of Indian Renaissance, Literary contribution of Tagore and Prem Chand. Challenge of Western Ideas. Tradition & Modernity.

**Book Recommended :**

1. Cultural Heritage of India, Vols. I & IV (Relevant Portions).
2. Dasgupta, S.N. : History of Indian Philosophy, Vols. I-V. (also in Hindi)
3. Husain, Yusuf : Glimpses of Medieval Indian Culture.
4. Mazumdar, B.B. : Rammohan to Dayanand.
5. Pande, G.C. : Foundations of Indian Culture, Vols. I-II.
6. Singh, Yogendra : Modernization of Indian Tradition.
7. Srivastava, A.L. : Medieval Indian Culture.

**Paper X : Modern Indian Thought**

**Scheme**

Min. Pass Marks : 40

Max. Marks : 100

Duration

Marks

3 hrs.

100

Note : There will be two papers of History. Each paper will consist of two parts.

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Part-B ~~Part-A~~ (60 marks : Time allowed 2 hours)

Part-A (40 marks : Time allowed 1 hour)

Part-A will contain 6 (six) essay type questions of 20 marks each-2 each from section A, B and C of the syllabus. The candidate will be required to attempt 3 (three) questions selecting 1 (one) question from each section.

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Part-B will contain two types of questions covering the entire syllabus (I) 10 (ten) short essay type questions of 4 marks each. The candidate will be required to attempt any 5 (five) questions (maximum limit 100 words for each question). (II) 10 (ten) compulsory objective type questions of 2 marks each (maximum limit 10 words for each question).

**Section 'A'**

Rammohan Roy, Dayanand Saraswati, Vivekanand, Aurobindo, Sir Syed Ahmad Khan Bankimchand Chatterjee and Bhartendu Harishchandra.

**Section B**

Gopal Krishna Gokhale, Dadabhai Naoroji, Mahadeo Govind Ranade, Bal Gangadhar Tilak, Lala Lajpat Rai, M.N. Roy. B.R. Ambedkar, Prem Chand and Md. Iqbal.

**Section C**

Gandhi, Nehru, and Subhashchandra Bose.

**Book Recommended :**

1. Jain, M.S : The Aligarh Movement
2. Kiplani, J.B. : Gandhi : His Life and Thought
3. Parvate, T.V. : Bal Gangadhar Tilak
4. Majumdar R.C. *et al.*, (ed.) : The History and Culture of the Indian People (Bharatiya Vidya Bhawan) Vol. IX & X, British Paramountly and Indian Renaissance Pt. I-II, Vol. XI. Struggle for Freedom (Relevant portion).
5. Mathur D.B. : Gokhale; A Political Biography.
6. Verma V.P. : Modern Indian Thought.

**Paper XI : History of Rajasthan (1433-1949)**

**Scheme**

Min. Pass Marks : 40

Max. Marks : 100

Duration

Marks

3 hrs.

100

Note : There will be two papers of History. Each paper will consist of two parts.

Part-A (60 marks : Time allowed 2 hours)

Part-B (40 marks : Time allowed 1 hour)

Part-A will contain 6 (six) essay type questions of 20 marks each-2 each from section A, B and C of the syllabus. The candidate will be required to attempt 3 (three) questions selecting 1 (one) question from each section.

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Part-B will contain two types of questions covering the entire syllabus : (I) 10 (ten) short essay type questions of 4 marks each. The candidate will be required to attempt any 5 (five) questions (maximum limit 100 words for each question). (II) 10 (ten) compulsory objective type questions of 2 marks each (maximum limit 10 words for each question).

**Section 'A'**

Main sources of the period. The emergence of a regional power under Kumbha and Sanga. Intra-regional and inter-regional rivalry. Attitude towards imperial authority (1530-1678). Policy of collaboration and resistance. Changes in this policy after 1678. Emergence of new independent states in the 18th century.

**Section-B**

Transformation in the nature of Feudal relationship. Nature of Maratha incursions. Maratha-Rajput relations—general survey. Development of architecture & painting. Religious Movements. Acceptance of British suzerainty in 1818, its consequences.

**Section-C**

Development of British policy. Administrative and Judicial changes. Attitude of nobility towards the new political system. Attempts of Social Reforms. British control of Salt and Opium trade. New Land settlements. Peasant movements. Praja Mandal Movement and integration of Rajasthan states.

**Book Recommended :**

1. Bhatnagar, V.S. : Life and Times of Sawai Jai Singh.
2. Jain, M.S. : Adhunik Rajasthan Ka Itihas.
3. Ojha, G.H. : Rajasthan Ka Itihas.
4. Raghubir Singh : Purva Madhyakaleen Rajasthan.

**Paper XII : World History-III (1919-76)**

**Scheme**

Min. Pass Marks : 40

Max. Marks : 100

Duration

Marks

3 hrs.

100

Note : There will be two papers of History. Each paper will consist of two parts.

Part-A (60 marks : Time allowed 2 hours)

Part-B (40 marks : Time allowed 1 hour)

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**Part-A** will contain 6 (six) essay type questions of 20 marks each-2 each from section A, B and C of the syllabus. The candidate will be required to attempt 3 (three) questions selecting 1 (one) question from each section.

**Part-B** will contain two types of questions covering the entire syllabus : (I) 10 (ten) short essay type questions of 4 marks each. The candidate will be required to attempt any 5 (five) questions (maximum limit 100 words for each question). (II) 10 (ten) compulsory objective type questions of 2 marks each (maximum limit 10 words for each question).

**Section 'A'**

Paris Peace of Conference, Wilson's Fourteen Points. Critical estimate of Versailles Settlement. Internationalism. Basic features of the Covenant of the League of Nations. Achievements and Failures of the League. Nazism and Fascism in Germany and Italy. The economic depression of 1929-30 and its consequences. Nationalism and Modernisation in Turkey. Causes and Nature of Arab Nationalism.

**Section 'B'**

Background of the U.N.O. Basic features of U.N. Charter. Its revision in 1966. Social and economic achievements of the U.N.O. Its role in maintaining world peace. The cold war and its consequences. Nationalism in North Africa, particularly Egypt, Algeria and Morocco.

**Section 'C'**

Kuomintang and Communism in China. The Sino-Japanese conflict, Civil war in China and the Revolution of 1949. Nationalism in Malaya, Indonesia and Indo-China. The Vietnam Problem. Japanese Imperialism in Far East and South Asia. Post World War Japan (1945-53). Birth of Israel. Arab-Israeli Conflict.

**Book Recommended :**

1. Bau, J. : The Foreign Relations of China.
2. Chauhan. D.S. : Samakaleen Europe.
3. Douglas. R.K. : Europe and the Far East.
4. Gabriel, Francisco : The Arab Revival.
5. Gathorne-Hardy. G.M. : A Short History of International Affairs, 1920-1930.
6. Ramsay Muir : The Expansion of Europe.
7. Taylor. A.J.P. : Origins of the Second World War.
8. Toynbee, A.J. : Survey of International Affairs, 1920-25.

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## 9. PUBLIC ADMINISTRATION (HONS.)

Scheme :

Four Papers	Duration	Max. Marks	Min. Pass Mark
Paper IX	3 hrs.	100	
Paper X	3 hrs.	100	160
Paper XI	3 hrs.	100	
Paper XII	3 hrs.	100	

Note : Each question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Question Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The candidates shall be required to attempt one questions of 20 marks from each section.

### Paper IX : Administrative Thought

#### Section 'A'

Evolution of Administrative Thought, Various Stages; Administrative Ideas of Henri Fayol, Luther Gulick and Lyndal Urwick. Scientific Management Movement : Contribution of F.W. Taylor time and Motion Studies-Taylor's impact.

#### Section 'B'

Indian Administrative Thought : Kautilya and Sukraniti.

Max Weber's model of Bureaucracy.

The concept of Dynamic Administration-contribution of Mary Parker Follet, Human relation Movement with particular reference to Elton Mayo, Chester Bernard's synthesis of the Classical and Human Relation Schools.

#### Section 'C'

Herbert Simon's contribution to the study of Administrative

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Behaviour and decision-making.

Major administrative ideas of Douglas MacGregor, Abraham Maslow and Herzberg.

**Book Recommended :**

1. Fred Luthans : Organisational Behaviour.
2. Shivaling Prasad and Others : Administrative Thinkers.
3. S.S. Ali : Eminent Administrative Thinkers, Delhi.
4. M.L. Mishra : Contemporary Management Thinkers.
5. सुधा : प्रबन्ध चिन्तन का इतिहास।
6. Reinhard Bendix : Max Weber-An intellectual portrait.
7. Mary Parker Follet : Dynamic Administration.
8. F.W. Taylor : Principles of Scientific Management.
9. Felix Negro : Modern Public Administration.
10. Herbert Simon : Administrative Behaviour.
11. Chester Bernard : Functions of the Executive.
12. Stephen Robbins : Organisational Behaviour.
13. Hicks and Gullett : Organisations : Theory and Behaviour.

**Paper X : Administration of Public Sector Undertakings**

**Scheme**

Min. Pass Marks : 40      3 hrs. Duration      Max. Marks : 100

Note : Each question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The candidates shall be required to attempt one questions of 20 marks from each section.

**Section 'A'**

Rationale of State intervention in Economic Development, Genesis and Role of Public Sector undertakings in developing countries with special reference to India, Role of State in Public undertakings

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and role of Public Undertakings with special reference to Rajasthan. Organisational structure and problems. Features of department and joint stock company in India. Concept of Sector co-operation, Role and importance of joint sector in India.

**Section 'B'**

Nature, Composition and Types and powers of the Governing Boards of Public Sector Undertaking. Functions and Role of Independent regulatory authorities/commissions : Like SEBI, Telecom Regulatory Authority of India, Insurance Authority.

Problems related to Personnel Administration recruitment, Training, Industrial Relations, Labour Welfare, Role of Public Enterprises. Law related to compensation, over staffing methods relating to right sizing of Staffing in Public Enterprises.

**Section 'C'**

Financial Problems—Pricing & Profit. Financial Performance of Public Sector undertakings. Privatisation of Public Enterprises, Resource, Mobilisation, Disinvestment of Public Enterprises, Role of Disinvestment Commission.

Ministerial & Parliamentary Control on Public Sector Enterprise, Public Enterprises Selection Board, Committee on Public Undertakings, C&A G's Control on Public Sector Undertaking, Role of the Department of Public Enterprises.

Public Relations, Consumer Interest, Social Concern of Public Enterprises.

**Core Books :**

1. Laxmi Narayan : Public Enterprises in India.
2. K.K. Khanna : Management of Public Sector in India.
3. K.R. Gupta : Organisation & Management of Public Enterprises.  
Vol. : I-II
4. शर्मा, शर्मा एवं सुराणा : भारत में लोक उद्योग ।
5. L.K. Jha : Economic Administration in India.  
Retrospects and Prospect.
6. Das : The Public Sector in India.
7. S.S. Khara : Government in Business.
8. टी.के. जैन एवं सुनील सक्सेना : लोक उद्यम ।

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**Paper XI : Theory and Practice of Public  
Personnel Administration**

**Scheme**

Min. Pass Marks : 40      3 hrs. Duration      Max. Marks : 100

Note : Each question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The candidates shall be required to attempt one questions of 20 marks from each section.

**Section 'A'**

Nature, Scope and Significance of Public Personnel Administration. Development and Significance of Civil Services in Developing Countries with special reference to India.

**Section 'B'**

The following topics to be studied with reference to India : Classification, Recruitment, Training, Promotion, The Union Public Service Commission, Salary Structure, Conduct Rules Disciplinary Action, Retirement Benefits.

**Section 'C'**

Employees Organisation and Representation. The machinery for the removal of service disputes. The right to strike and political rights to civil servants.

Reforms in Personnel System.

The following topics to be studied with reference to U.K. : Classification, Recruitment, Training, Promotion, Salary Structure, Conduct Rules, Disciplinary Action, Retirement Benefits.

Employees Organisation and Representation. Whitleyism. The Right to Strike and Political Rights of Civil Servants.

Reforms in Personnel System.

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**Book Recommended :**

1. V.M. Sinha : Personnel Administration.
2. वी.एम. सिन्हा : कार्मिक प्रशासन ।
3. सी.एम. जैन : सेवीवर्गीय प्रशासन ।
4. माहेश्वरी तथा अवस्थी : लोक प्रशासन ।
5. एम.पी. शर्मा : लोक प्रशासन ।

**Reference Books :**

1. S.R. Maheshwari : Civil Services in Britain
2. Nigro : Public Personnel Administration
3. Stahl : Public Personnel Administration
4. S.P. Verma & S.K. Sharma : Comparative Personnel System.

**Paper XII : Research Methodology**

**Scheme**

Min. Pass Marks : 40      3 hrs. Duration      Max. Marks : 1000

Note : Each question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The candidates shall be required to attempt one question of 20 marks from each section.

**Section 'A'**

Nature and Role of research methodology in social sciences with special emphasis on Public Administration. Pure and Applied research. Study of behaviour of man under the impact of socio-economic and political phenomena and scope of limitations of such studies.

**Section 'B'**

The Scientific Method : The Scientific Method and its application to Public Administration. Relationship of theory and fact—theory building in Public Administration; Hypothesis, Concept and Theory.

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tion in the world.

A critical review of Whittlesey's agricultural classification.

**Section C**

Indian Agriculture—(a) Problems and prospects, (b) regions.

**Recommended Books :**

1. Alexander, J.W. : Economic Geography. Prentice Hall, Inc. Englewood Cliffs, N.J. Latest Edition.
2. Symons, L. : Agricultural Geography. G. Bell & Sons, London, 1964.
3. Husain, M. : Agricultural Geography, Inter-Indian Publications, New Delhi, 1979.
4. Singh, J. and Dhillon, S.S. : Agricultural Geography, Tata McGraw Hill Publishing Co. Ltd. New Delhi, 1984.
5. Grigg, D.B. : Agricultural Systems of the World and Evolutionary Approach, Cambridge University Press, Cambridge, 1978.
6. Whittlesey, Darwent, S. : Major Agricultural Regions of the Earth. Annals of the Association of American Geographers. Vol. 26, 1936.
7. Tewari P.S. (ed) : Contribution to Agricultural Geography, Heritage. Delhi, 1986.

**Reference Books :**

1. Gregor, H.F. : Geography of Agriculture—Themes in Research. Prentice Hall Inc., London, 1970.
2. Morgan, W.B. and Muton, R.J.C.—Agriculture Geography. Methuen, London, 1971.

**Paper-XII Applied Geography**

**Section A**

Nature, scope and content of applied geography; identification of problems of interdisciplinary nature (like environment resource base, resource-use, development and disparity).

Issues related to variations in physical environment. Variations land quality affecting agricultural productivity; environmental degradation, environmental disaster and environmental management.

**Section B**

Issues related to human resource-quality vs numbers; social and demographic issues; diversity and disparity; carrying capacity of the earth; human resources use and manpower planning.

Issues related to economy; spatial organisation of economic activities (like agriculture, industry, transport, trade, etc.) spatial inequalities-causes and consequences.

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*Section C*

Environment and sustainable development with a focus on man environment relationship. Review of policies related to planning formulated for local, regional and national level with special reference of India.

**Recommended Books :**

1. Dohrs, F.E. and Sommers, L.W. (eds.): Introduction to Geography, Thomas Y. Crowell Co., New York, 1967.
2. Hartshorne Richard; Perspective on the Nature of Geography Rand McNally & Co. Chicago, 1959.
3. Harvey, David : Explanation in Geography, Edward-Arnold, London, 1972.
4. Hold-Lensen, A : Geography Its History and Concepts, Longmans, 1980.
5. Husain Majid : Evolution of Geographical Thought, Rawat Publications, Jaipur, 1984.
6. James, P.E.: All Possible Worlds: A History of Geographical Ideas, Sachin Publication, Jaipur, 1980 (Indian reprint).
7. Johnston, R.J. and Claval, P.(eds.) : Geography since the Second World War, Croom Helm, London/Bernes and Noble, Totowa, N.J., 1984.
8. Jones, P.A.: Fieldwork in Geography, Longmans.
9. Lowmsburg, J.F. and Aldrich, F.T.: Introduction to Geographical Methods and Techniques, Charles Marrill, Columbus, 1979.
10. Minshull, R. : The Changing Nature of Geography, Hutchinson University Library, London, 1970.
11. Worldridge, S.W. : The Geographer as a Scientist, Thomas Nelson and Sons Ltd., London, 1956.
12. Misra, V.V., Ayyar, N.P. *et.al.* (editors) : Essays in Applied Geography. University Printing Press, Saugar, 1976.

**Practicals : Map Projectionis & Surveying**

General Principles, classification, identification, transformation and choice of projections.

Construction, properties, limitations and uses of the following projection :

Cylindrical : Simple, Equal Area and Mercator's

Conical : One standard, Two standard Boone's, Polyconic and international.

Zenithal : Gnomonic, Stereographic Orthographic, Equidistant and Equal Area (Polar Cases only).

Conventional : Sinusoidal and Mollwede's (normal Cases only).

Dumpy level : Survey and Contouring.

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**Recommended Books :**

1. Kellaway, George, P.—Map Projections, Methuen & Co., London.
2. Steers : J.A.—Map Projections, University of London Press, London.
3. Singh, R.L.—Practical Geography, Kalyani Publishers, New Delhi.

**Reference Books :**

1. Gamett, William—Map Projections, George Philip & Sons., London.
2. Jameson, A.H. & Ormsby, M.T.M.—Mathematical Geography, Vol. I. Isaac Pitman & Sons., London.

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### 13. PSYCHOLOGY (HONS.)

*Scheme :*

<i>Four Theory Papers</i>	<i>Duration</i>	<i>Max. Marks</i>	<i>Min. Pass Marks</i>
Paper-IX	3 hrs.	75	
Paper-X	3 hrs.	75	120
Paper-XI	3 hrs.	75	
Paper-XII	3 hrs.	75	
Practicals		100	40

**Note:** There will be 4 theory papers in subject Psychology in BA Hons Part III. There will be common papers for Arts and Science Question No. 1 will be compulsory and will cover the entire course contents of the paper. Question I will contain two parts A & B. A part of I questions will contain 20 questions of multiple choice. Each question will be of 3/4 mark. Thus A part will be of 15 marks. B part will contain 10 questions to be answered in the limit of 20 words. Each question of B part will be of 1½ marks. Thus B part will be of 15 marks. Separate question paper for this objective type will be provided to each student and answers will be given in this question paper only in the space provided for this purpose in the objective type question paper. Candidates will be given one hour to attempt this first compulsory question out of three hours in total time allotted for this paper.

In the second part of the question paper, three questions of essay type will be attempted selecting at least one from each section. Each question will be of 15 marks. This objective type question will be compulsory to attempt in all four theory papers.

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**B.A./ B.Sc. Honours Part-III**

**Paper-IX Psychometrics**

**Section-A**

1. **The need of psychological measurement and testing, the origin of psychological measurement and testing.**
2. **Scaling: Kinds of scales, their characteristics and uses of scaling in psychological problems.**
3. **Psychological Tests: Nature and Functions of tests: Current uses of psychological tests. Kinds of Tests: Individual and Group test. Characteristics of a good test.**

**Section-B**

4. **Problems in the Test Administration: Testing programme, professional ethics, controlling the use of psychological tests, problems of report and administration. Guidelines for testing programmes.**
5. **Problems of Testing Construction: Drafting and compilation of test items. Item analysis. Establishing the characteristic of a good test i.e. reliability, validity and need for cross validation.**
6. **Standardization of Tests: Procedure, establishment of norms, interpretation and application of test scores, Prediction value of Test.**

**Section-C**

7. **Tests of intelligence: Nature and Types: Verbal tests, Non-language tests, Performance test, Test for measuring adult intelligence, Special tests; Culture fair tests.**

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8. **Tests of Interest and Aptitude:** Interest test (educational and vocational), Attitude tests, Aptitude tests, Academic tests (achievement tests), Testing in progressions.

9. **Personality tests:** Self-report test inventories, Projective techniques: Verbal, Non-verbal, T.A.T. and Rorschach, Situational tests and Expressive techniques.

**Reference Books:**

1. Anne Anastasi- Psychological Testing. Macmillan company, London, 1988
2. Lee Chronbach-Essentials of Psychological Testing. Tokyo. Harper International Edition, 3<sup>rd</sup> Ed. 1970
3. Freeman-Theory and practice of Psychological Testing, New Delhi, Oxford & IBH, 3<sup>rd</sup> Ed., 1963.
4. Guilford, J.P.- Psychometric Methods, N.D. Tata McGraw Hill 1974.

**Paper-~~A~~: Applied Psychology**

**Section-A**

1. **Applications of Psychology in Industry:** Personnel selection and classification.
2. **Personal assessment techniques:** Development and training attitude and motivation.
3. **Organization psychology:** Leadership and supervision, participated management, job design, organizational structure and climate, communication.

**Section-B**

4. **Engineering Psychology:** Human performance.

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5. **Human factors in Equipment design**
6. **Stress management: Psychological determinants of stress and its management.**

**Section-C**

7. **Psychology in education: School system, Measurement and Evaluation, Instructional technology, Behaviour modification in school setups.**
8. **Counselling psychology: Nature of guidance and counselling, uses of psychological tests in guidance and counselling, career planning and development, occupational information.**
9. **Scope and methods of consumer psychology.**

**Reference Books:**

1. Anastai, A-Fields of Applied Psychology, New York, McGraw Hill (International Ed.) Tokyo, 1979
2. Schien-Organizational Psychology, New Delhi, Prentice-Hall, 1967
3. Korchin, S.- Modern clinical Psychology, Basic Books, Inc. Publications, New York, 1976
4. Bunt-Applied Psychology.
5. Poffenberger-Principles of Applied Psychology
6. Mohan, J. Chaddha, N.K. and Akhtar, S.S. Psychology of Sports Fiends Publications (India), Delhi, 1992.

**Paper-~~II~~: Personality and Motivation**

**Section-A**

1. **Personality and Personality Theory: Definition and Nature. Biological and cultural determinants of Personality.**

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*Book*

2. **Personality assessment:** Observational Methods, rating scales, interview, different personality inventories, MMPI, 16 PF, EPI, projective techniques: Rorschach and TAT.
3. **Type and Trait Approach**

**Section-B**

4. **Psychoanalytic theory of personality**
5. **S-R theory of personality**
6. **Factor theories of personality:** Cattell and Eysenck.

**Section-C**

7. **Motivational phenomena and goal direction:** Classification, purpose and direction in motivational activities. Human performance and Motivational variables.
8. **Achievement motivation:** Nature, measurement and research, Maslow's theory of motivation.

**Reference Books:**

1. Hall & Lindzey-Theories of Personality, New York, Wiley, 1978.
2. Mischeli, W.-Theories and Assessment of Personality
3. Maslow A.-Motivation and Personality, New York, Harper & Row, 1970.
4. Atkinson-Personality, Motivation and Achievement.
5. Bindra, Dalbir-Motivation: A Systematic Interpretation Ronald Press Col. New York, 1965.
6. Rrow Judsoa Seise-The Motivation on Behaviour, New York, McGraw Hill Book Col, 1962

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~~Paper-37~~ <sup>XII</sup> Environmental Psychology

Section-A

1. Nature and Scope of Environmental Psychology: Methodological approaches to environmental psychology.
2. Environmental perception: Nature and factors.
3. Attitude toward Environment: Formation and change.

Section-A

4. Behaviour Theories of Environment.
5. Environmental Stress: Pollution and Behaviour.
6. Personal Space and Territoriality: Definition, functions & determinants.

Section-A

7. Crowding and Environment: Density and social behaviour.
8. Environment and Community Health: Urban problems and their solutions.
9. Save the Environment: Changing behaviour to save the environment.

Reference Books:

1. Fishar, J.D., and Bell. P.A.-Environmental Psychology (2<sup>nd</sup> ed.), Hold, Rinehart & Winston, 1984.
2. Baum, A sunger J.E. and Valins, S.- Advances in Environmental Psychology Vol. 4.

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**Section 'C'**

The Research design : Types and Utility, Definition of the Problem, Sources of Data; Methods of Data Collection. Use of Historical Data, Methods of Field Observation Questionnaire and Schedules, Types and Techniques of Interviewing.

Case Study Method, its significance in Public Administration; Data Processing, Classification, Tabulation presentation, Content Analysis; Report preparation and writing.

**Book Recommended :**

1. W.G. Goode and Paul H. Hatt. Methods in Social Research.
2. Pauling V. Young, Scientific Social Surveys.
3. F.A. Kerlinger. The Foundations of Behavioural Research.
4. वाजपेयी : सामाजिक सर्वेक्षण एवं अनुसंधान
5. सत्यपाल रूहेला : सामाजिक अनुसंधान
6. Bhandarker and Wilkinson, Methods in Social Research.
7. R.S. Milne, Concepts and Models in Pub. Admn. : IPA (New Delhi)
8. J. Black and D. Champion; Methods and Issues in Social Research.

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10. ECONOMICS (HONS.)

Scheme :

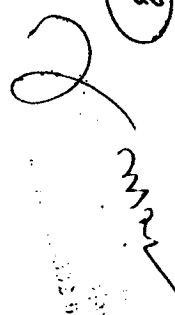
Paper	Papers	Duration	Max. Marks	Min. Pass Mark
Paper IX	IX	3 hrs.	100	
Paper X	X	3 hrs.	100	160
Paper XI	XI	3 hrs.	100	
Paper XII	XII	3 hrs.	100	

Note : Each question paper shall be of 3 hours duration. The question paper shall contain two parts :

Part A shall be compulsory containing 2 questions of 20 marks each. Question one shall contain 20 questions of multiple choice type and of one mark each. Second question shall contain 10 questions of limited words (maximum 20 words) answer and of two marks each. Marks can be deducted if answer exceeds 20 words. This part of the Questions Paper shall be of one hour duration. The questions in this part can be asked from the entire course.

Part B of the Questions Paper shall have 2 questions of descriptive type from each of the 3 sections, and shall carry 60 marks. The

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candidates shall be required to attempt one question of 20 marks from each section.

**Paper-IX Public Finance**

Duration : 3 hrs.

Max. Marks : 100

**Section 'A'**

Nature and scope of public Finance. Role of Government in the economy. Wagner's Law. Optimal Budgeting.

Principles of Maximum Special Advantage.

Public Expenditure—Cannons of Public Expenditure. Theory of social Goods-indivisibility of consumption, Impossibility of exclusion and essentiality. Effects of a Good Tax System, Equi-proportional. Equimarginal and Least Aggregate Sacrifice.

**Section 'B'**

Shifting and Incidence-Impact, Incidence and Shifting. Incidence of taxation under Monopoly and Perfect Competition.

Direct versus Indirect taxes-an elementary approach.

Effects of taxation on Production, Growth and Distribution.

Theory of Public Debt. Economic effects of Public debt, Debt burden. Fiscal Policy-meaning, objectives and its role as compensatory and anti-inflationary policy (An elementary approach). Concept of Balanced Budget Multiplier.

**Section 'C'**

Economic and Functional Classification of budget of Government of India. Major trends in Public Expenditure, Tax Revenue and Non-Tax revenue of the Central Government, Deficit Financing. Concepts of Budget Deficits. Trends in Internal and External debt of India.

**Book Recommended :**

1. R.A. Musgrave, Theory of Public Finance.
2. R.A. Musgrave and P. Musgrave, Public Finance in Theory and Practice.
3. S. Ganguli, Public Finance.
4. H.L. Bhatia, Public Finance. (Latest Ed.)
5. D.N. Dwivedi. (Ed.) Readings in Indian Public Finance (Relevant Chapters).
6. Prem Prakash Sharma, Sarvajanic Vitt Ke Siddhant.

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**Reference Book :**

1. Government of India, Economic & Functional Classification of Central Government Budget.

**Paper X : Development Economics**

Min. Pass Marks : 40      3 hrs. Duration      Max. Marks : 100

**Section 'A'**

Characteristics of under-developed countries-Growth and their relative contribution. Natural Resources, Manpower, Capital Technology, Institutions, State Power, Impediments to development and their inter-connections.

**Section 'B'**

Modern approaches to the theories of Development, Nurkse, Rodan Lewis, Hirschman, Leibenstein, Planning for Economic Growth, Saving Ratio and Resource Mobilisation. Investment Criteria and Social cost benefit analysis (.....). Problems of an open economy and Globalisation.

**Section 'C'**

Indian Planning-Objectives, Strategy of development pattern of Public Investment and Financing under plans (with emphasis on the Latest Plan).

Main Features of the Eighth five Year Plan.

**Book Recommended :**

1. W.A. Lewis, Development Planning.
2. E. Lebargen, Economic Development.
3. M.E. Jhingan, Economic of Development.

**Paper-XI : Money and Financial System**

Min. Pass Marks : 40      3 hrs. Duration      Max. Marks : 100

**Section 'A'**

Money : Functions-demand for money-supply of money. Currency vs. plastic money. Reserve Money and Money supply. Inflation: meaning, control and impact. Quantitative Theory of Money : Transaction, Cash Balance, Keynesian approaches-The Friedman's analysis of changes in quantity of money and GNP. Inter-relationship between money-supply, price level and output.

Finance-Role of finance in an economy-financial system : components, money and capital markets and instruments-Development

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banks and other non-banks financial intermediaries : categories, functions and individual salient feature.

**Section 'B'**

Commercial Banks-Functions : Conventional and new Bank deposits and negotiable instruments. Process and limitations of multiple credit creation-basic principles of bank liquidity and income.

A bank's balance-sheet : importance and analysis of major assets and liabilities of any commercial bank-problem of capital adequacy of banks in India-Non-Performing advances-concept, practice and management-Non challenges for the banking industry in India.

**Section 'C'**

Reserve Bank of India-Functions including its supervision over the Indian financial system-major instruments of monetary and credit control used in India. Main features of our monetary policy, its contribution to economic growth and price stability since the mid-1980s.

Interest rates-Level and Structure of bill rate. Long-dated securities rate, basic lending rate and deposit matter and an appropriate set-off policy, essentials of a healthy interest rate policy. Sources of data on Indian Monetary System.

**Book Recommended :**

1. L.V. Chandler and S.M. Goldfeld-The Economics of Money and Banking (Latest ed.) chs. 1-7, 18.
2. S.B. Gupta : Monetary Economics, chs. 1-10, 15-20.
3. Reports of the committees to Review the working of the Monetary system (April, 1985), chs. 4, 5-8, 10-13.
4. Report of the Committee (Narasimhan) on the Financial system (Nov. 1991), chs. VIII.
5. N.S. Toor : Non-Performing Advances in Banks (Skylark, J.D.).

**Paper: XII : Mathematical Economics**

Min. Pass Marks : 40      3 hrs. Duration      Max. Marks : 100

**Section 'A'**

Theory of Consumer Behaviour : Concavity of utility functions and convexity of Indifference curve. Maximization of Utility, Derivation of Demand functions-ordinary and compensated demand functions. Elasticity relations in demand theory-Engle aggregation condition and Cournot condition. Income and leisure- derivation of labour supply function. Slutsky equation-Derivation for 2-commodity case, its elasticity form and interpretation.

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**Section 'B'**

Theory of Firm—A well-behaved production function. Linearly Homogeneous production function, Cobb-Douglas production function, Elasticity of substitution for Cobb-Douglas and CES production functions. Optimisation behaviour of a firm—Profit Maximisation, output Maximisation and Cost Minimisation, Derivation of input demand functions from Cobb-Douglas production function. Consumer's and producer's surplus.

**Section 'C'**

Linear programming—Formulation, Graphical solution, simplex method with two variables for maximization only, concept of Primal and dual. Input-Output analysis—Hawkins Simon Conditions of viability and determination of gross output only.

Game-theory : Two Persons-Zero sum game (saddle point solution only). Cobweb Model.

**Book Recommended :**

1. J.M. Henderson & R.L., Quandt, Microeconomic Theory : A Mathematical Approach, 3rd Ed. (relevant chapters for Sections A & B).
2. B.C. Mehta & G.M.K. Madhani, Mathematics for Economists (relevant chapters, latest edition).

**Reference Books :**

1. Alpha C. Chiang, Fundamental Methods of Mathematical Economics, 3rd Ed. (Relevant chapters for Section "C").
2. Deward T. Dowling, Mathematics for economists, Schaum's outline Series (Relevant Chapters).
3. B.C. Mehta, Mathematical Economics : Micro Economic Models (Relevant Chapters).

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**II. MATHEMATICS (HONS.)**

**B.A. (Hons) Part-III-2010**

**Teaching : 3 Hours per Week per Theory Paper.**

**Examination :**

**Min. Pass Marks**

**Scheme : Science—160**

**Max. Marks**

**400**

**Duration Max. Marks**

**3 hrs. 100**

**3 hrs. 100**

**Theory 68**

**2½ hrs. 32**

**Practical : 2 hrs. 32**

**Paper—IX  
Paper—X  
Paper—XI**

**Algebra  
Complex Analysis  
Dynamics and Computer  
Programming in C**

*(Handwritten marks: 70, 68, and a signature)*

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**Paper—XII Any one of the following**

1. Statistics	3 hrs.	100
2. Spherical Trigonometry and Astronomy	3 hrs.	100
3. Integral Equations and Calculus of Variations	3 hrs.	100
4. Calculus of Several Variables	3 hrs.	100

**Note :**

1. Papers IX, X and XII will be divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.
2. Paper XI is divided into Four Units. Two questions will be set from each Unit. Candidates are required to attempt Four questions in all taking One question from each Unit. All questions carry equal marks.
3. Common paper will be set for both the Faculties of Social Science and Science. However, the marks obtained by the candidate in the case of Faculty of Social Science will be converted according to the ratio of the maximum marks of the papers in the two Faculties.
4. Each candidate is required to appear in the Practical examination to be conducted by internal and external examiners. External examiner will be appointed by the University and internal examiner will be appointed by the Principal in consultation with Local Head/Head, Department of Mathematics in the college.
5. An Internal/external examiner can conduct Practical Examination not more than 100 (Hundred) candidates (20 Candidates in one batch)
6. Each candidate has to pass in Theory and Practical examinations separately.

**Paper—IX Algebra**

**Teaching : 3 Hours per Week**

**Duration of Examination : 3 Hours**

**Max. Marks : 100**

**Note :** This paper is divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.

**Unit 1:** Definition and simple properties of Group and Subgroups. Permutation group, Cyclic group. Cosets, Lagrange's theo-

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- rem on the order of subgroups of a finite order group.
- Unit 2:** Morphism of groups, Cayley's theorem. Normal subgroups and Quotient groups. Fundamental theorems of Isomorphism.
- Unit 3:** Definition and simple properties of Rings and Subrings. Morphism of rings. Embedding of a ring, Integral domain and field. Characteristics of a Ring and field.
- Unit 4:** Ideals and Quotient Ring, Maximal ideal and Prime ideal. Principal Ideal domain. Field of quotients of an integral domain. Prime fields. Definition, Examples and Simple properties of Vector spaces and Subspaces.
- Unit 5:** Linear combination, Linear dependence and Linear independence of vectors. Basis and Dimension. Generation of subspaces. Sum of subspaces. Direct sum and Complement of subspaces. Quotient space and its dimension.

**Paper—X Complex Analysis**

**Teaching : 3 Hours per Week**

**Duration of Examination : 3 Hours**

**Max. Marks : 100**

**Note :** This paper is divided into Five Units. Two questions will be set from each Unit. Candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.

- Unit 1:** Complex plane. Connected and Compact sets. Curves and Regions in complex plane. Jordan curve Theorem (statement only). Extended complex plane. Stereographic projection. Complex valued function—Limits, Continuity and Differentiability. Analytic functions, Cauchy-Riemann equations (Cartesian and polar form). Harmonic functions, Construction of an analytic function.
- Unit 2:** Complex integration, Complex line integrals, Cauchy integral theorem, Indefinite integral, Fundamental theorem of integral calculus for complex functions. Cauchy integral formula. Analyticity of the derivative of an analytic function, Morera's theorem, Poisson integral formula, Liouville's theorem.
- Unit 3:** Taylor's theorem. Laurent's theorem. Maximum modulus theorem. Power series—Absolute convergence, Abel's theorem, Cauchy-Hadamard theorem, Circle and Radius of convergence. Analyticity of the sum function of a power series.
- Unit 4:** Singularities of an analytic function, Branch point.

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Meromorphic and Entire functions, Riemann's theorem. Casorati-Weierstrass theorem.

Residue at a singularity, Cauchy's residue theorem. Argument principle. Rouché's theorem. Fundamental theorem of Algebra.

Unit 5: Conformal mapping. Bilinear transformation and its properties.

Elementary mappings :  $w(z) = \frac{1}{2} \left( z + \frac{1}{z} \right)$ ,  $z^2$ ,  $e^z$ ,  $\sin z$ ,  $\cos z$ , and  $\log z$ .

Evaluation of a real definite integral by contour integration. Analytic continuation. Power series method of analytic continuation

**Paper—XI Dynamics and Computer Programming in C**

**Teaching : 3 Hours per Week**

**Duration of Examination : 2½ Hours**

**Max. Marks : 68**

**Note :** This paper is divided into Four Units. Two questions will be set from each Unit. Candidates are required to attempt Four questions in all taking One question from each Unit. All questions carry equal marks.

**Unit 1:** Velocity and acceleration—along radial and transverse directions, along tangential and normal directions. S.H.M., Hooke's law, motion along horizontal and vertical elastic strings.

**Unit 2:** Motion in resisting medium—Resistance varies as velocity and square of velocity. Work and Energy. Motion on a smooth curve in a vertical plane. Motion on the inside and outside of a smooth vertical circle.

**Unit 3:** Central orbits—p-r equations, Apses, Time in an orbit, Kepler's law of planetary motion. Moment of inertia—M.I. of rods, Circular rings, Circular disks, Solid and Hollow spheres, Rectangular lamina, Ellipse and Triangle. Theorem of parallel axis. Product of inertia.

**Unit 4:** Programming languages and problem solving on computers, Algorithm, Flow chart, Programming in C—Constants, Variables, Arithmetic and logical expressions, Input-Output, Conditional statements, Implementing loops in Programs, Defining and manipulating arrays and functions.

**Practical :**

**Teaching : 2 Hours per Week Batch**

**(20 Candidates in each Batch)**

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<b>Examination :</b>	<b>Duration : 2 Hours</b>
<b>Scheme :</b>	
Max. Marks	32
Min. Pass Marks	13
<b>Distribution of Marks:</b>	
Two Practicals of	
10 Marks each	= 20 Marks
Practical Record	= 06 Marks
Viva-voce	= 06 Marks
Total Marks	= 32 Marks

The paper will contain Two practicals. The candidates are required to attempt both practicals.

Programming in C and execution for the result of

1. Solution of linear algebraic equations by Gauss elimination method.
2. Solution of algebraic and transcendental equations by Bisection. False position and Newton-Raphson Methods.
3. Solution of ordinary differential equations by Euler's and Runge-Kutta 4th order method
4. Numerical integration by Trapezoidal and Simpson's one third rule.

**Note :**

1. Each Candidate (Regular/non-Collegiate) has to prepare his/her practical record.
2. Each Candidate has to pass in Practical and Theory examinations separately.

**Paper—XII Any One of the Following :**

**Paper—XII(I) : Statistics**

**Teaching : 3 Hours per Week**

**Duration of Examination : 3 Hours**

**Max. Marks : 100**

**Note :** This paper is divided into Five Units. Two questions will be set from each Unit. The candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.

**Unit 1:** Frequency distributions and measures of location, Measures of dispersion, Skewness and Kurtosis, Moments of frequency distributions.

**Unit 2:** Mathematical expectation, Moment generating and Cumulative functions. Discrete probability distributions (Binomial, Poisson, Geometric and Hypergeometric).

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**Unit 3:** Continuous probability distributions (Rectangular and Normal distributions).

**Unit 4:** Methods of least squares and curve fitting. Correlation and Regression, Multiple and partial correlation.

**Unit 5:** Theory of probability.

**Paper—XII(II) Spherical Trigonometry and Astronomy**

**Teaching : 3 Hours per Week**

**Duration of Examination : 3 Hours**      **Max. Marks : 100**

**Note :** This paper is divided into Five Units. Two questions will be set from each Unit. The candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.

**Unit 1:** Spherical triangles. Relation between sides and angles. Right angled triangles.

**Unit 2:** Celestial sphere. Astronomical coordinate system, Diurnal motion, Twilight.

**Unit 3:** Atmospheric Refraction. Time.

**Unit 4:** Precession and Nutation.

**Unit 5:** Aberration, Parallax and Eclipses.

**Paper—XII(III) Integral equations and Calculus of Variations**

**Teaching : 3 Hours per Week**

**Duration of Examination : 3 Hours**      **Max. Marks : 100**

**Note :** This paper is divided into Five Units. Two questions will be set from each Unit. The candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.

**Unit 1:** Linear Integral Equation-Definition and classification, Conversion of initial and boundary value problems to an integral equation, Eigen values and Eigen functions and their properties for symmetric kernels. Solution of homogeneous and general Fredholm integral equations of second kind with degenerate kernels.

**Unit 2:** Iterated kernels and their properties. Construction of resolvent kernel with the aid of iterated kernels. Solutions of Fredholm and Volterra integral equations of second kind by using resolvent kernel method. Fredholm determinants. Solution of Fredholm integral equation of second kind by using Fredholm determinants.

**Unit 3:** Laplace transform-Definition and its properties. Rules of manipulation. Laplace transform of derivatives and integrals.

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Properties of inverse Laplace transform. Convolution theorem.

**Unit 4:** Abel's integral equation and its generalizations. Application of Laplace transform to solve the Volterra integral equations with convolution type kernels.

Calculus of Variations-Variations and its properties. Euler's equation. Functionals. Functionals dependent on Higher order derivatives and functions of several independent variables.

**Unit 5:** Variational problems in parametric form. The moving boundary value problem for a function of the form

$$\int_{x_1}^{x_2} f(x, y, z) dx$$
 Euler's finite difference method. Ritz method for variational problem.

**Paper—XII(IV) Calculus of Several Variables**

**Teaching : 3 Hours per Week**

**Duration of Examination : 3 Hours**      **Max. Marks : 100**

**Note :** This paper is divided into Five Units. Two questions will be set from each Unit. The candidates are required to attempt Five questions in all taking One question from each Unit. All questions carry equal marks.

**Unit 1:** Normed vector space, Distance, Inner product. Open and Closed sets. Compactness, Connectedness. Sequence and series. Continuous functions.

**Unit 2:** Calculus in vector space Functions on n-space, Space of continuous functions. Differentiability and the chain rule. Properties of derivative. Partial derivatives. Jacobian, Differentiation under integral sign.

**Unit 3:** Mean value theorem and its applications. Higher derivatives and Taylor's formula. Invertible and implicit functions. Continuously differentiable functions. Maxima and minima.

**Unit 4:** Multiple integral on  $R^n$ . Closed n-rectangle. Lower and upper Riemann sums. Lower and upper Riemann integrals. Riemann integral. Characteristic function. Admissible function. Admissible set. Criteria for admissibility. Repeated integral. Change of variables.

**Unit 5:** Ordinary Differential Equations-Integral and Approximate solutions. Lipschitz's property. Comparison of two approximate solutions. Existence and Uniqueness theorem (statement only). Linear differential equation.

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**12. GEOGRAPHY (HONS.)**

**Scheme :**

**Minimum Marks : 160 (40%)**

**Maximum Marks : 400**

<b>Four Papers</b>	<b>Maxi.Marks</b>
Paper-IX India : A Systematic Geography	80
Paper-X Evolution of Geographical Thought	80
Paper-XI Agricultural Geography : An Introductory Course	80
Paper-XII Applied Geography	80
Practical	80

**Notes :**

1. One question (Question No. 1) of 20% marks of the total. Question No. 1 will be compulsory and will cover the entire course contents of the paper. Question be set in two Parts :  
 (a) Question on Map (to be supplied) of 10% marks.  
 (b) Question on objective type (Multiple choice and very short answer) of 10% marks.
2. Nine questions will be set with three questions from each section.
3. The candidate will attempt five questions selecting at least one from each section.
4. The students are required to pass both in theory and practical separately.
5. The theory paper will be of 3 hours duration.

**Paper-IX : India : A Systematic Geography**

**Section A**

India in the context of Asia and the world.

Systematic Geography :

Land—Major terrain units of India and their characteristics. Drainage systems and their functional significance to the country. The Indian monsoon—regional and seasonal variations in climate and climatic division : soil types, their characteristics and distribution and the problems of soil conservation, vegetation cover—vegetation types and their distribution. Forest resources and their conservation.

Mineral and power resources—reserves, production and problems of conservation, Resource regions of India.

**Section B**

People—Numbers, distribution density and growth, with special reference to the post-independence period. Socio-economic implications

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of explosive growth of population literacy and education-spatial patterns, urbanisation-its relation with economy and ecology.

Economy—Changing nature, Indian economy and over-view.

Agriculture—Main characteristics and problems of Indian agriculture, spatial aspects of irrigation developments, technological developments in Indian agriculture, green revolution and its spatial dimension, regionalisation of agriculture in India, food production and population growth.

### Section C

Industry—Industrial development and the Indian economy-an over-view. Locational factors and spatial pattern of major industries in India-iron and steel, engineering goods, textiles, chemicals, cement, sugar, paper etc. industrial regions of India.

Transport and Trade—Development of transport network, different modes and their functional significance. Internal and international trade-composition and change (both in spatial and temporal terms).

### Recommended Books :

1. Bose, A. (ed.)—Pattern of Population Change in India, 1951-61. Allied Publishers, Mumbai, 1967.
2. Davis, K.—Population of India and Pakistan, Princeton University Press, Princeton, 1951.
3. Farmer, B.H.—An Introduction to South Asia, Methuen, London, 1983.
4. Government of India—The Gazetteer of India, Publication, Division, Ministry of Information and Broadcasting, New Delhi, 1965.
5. Mitra, Ashok—Levels of Regional Development of India, Vol. I-Part I-A(i) and (ii) Census of India Publication, New Delhi, 1967.
6. NATMO (G.O.I.)—National Atlas of India, NATMO, Kolkata.
7. Puri, G.S.—Indian Forest Ecology, Volumes I & II Oxford Book and Stationary Co., New Delhi, 1960.
8. Sdasyuk, G. and Sengupta—Economic Regionalisation of India, Census of India Publication, New Delhi, 1968.
9. Sharma, T.R.—Location of Industries in India. Hind Kitab. Mumbai, 1949.
10. Singh, R.L. (ed). India—Regional Studies. Published for the 21st International Geographical Congress held in New Delhi, 1968.
11. Singh, R.L. (ed).—India A Regional Geography. National Geographical Society of India, Varanasi, 1971.
12. Spate, O.H.K. and Learmonth, A.T.A.—India and Pakistan, Land, People and Economy, Methuen & Co., London, 1967.
13. Srivastava, M.A. : Trade of India, S. Chand & Co., Delhi, 1967.
14. Wadia, D.N.—Geology of India. MacMillan & Co., London, 1967.
15. Wadia, Mehar and Wadia, D.N.—Minerals of India. National Book Trust, New Delhi, 1966.

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**Paper-X : Evolution of Geographical Thought**

**Section A**

The nature of Geography is the early classical period with reference to the works of Herodotus, Eratosthenes, Strabo and Ptolemy. Early Medieval Geography.

**Section B**

The Revival of Geography from the 16th to the early 19th century. The Works of Varenus. Humboldt and Ritter.

The Nature of Geographical Thought in the second half of 19th century.

The dualism in Geography.

**Section C**

The Works of Peschel and W.M. Davis, Retzel, Semple Richtnofen, Hetter, Herbertson and Saur. Concepts of Areal differentiation and Region.

Natural Regions and Geographical Regions, Concept of Ecology.

**Recommended Books :**

1. Hartshorne, Richard : The Nature of Geography (Annals of American Geographers 1939-1947).
2. Hartshorne, Richard : Perspective on the Nature of Geography, John Murray, London.
3. Taylor, Griffith (Ed) : Geography in the Twentieth Century, New York, 1951.
4. James, Preston E.—American Geography. Inventory and Prospects, Syracuse, 1945.
5. Bowman, Isabiah : Geography in Relation to the Social Science. New York, 1934.
6. Mackinder, Halford, J. : On the Scope and Method of Geography. Proceedings of the Royal Geographical Society, 1887.
7. Wooldridge, S.W. and W.G. East : Spirit and Purpose of Geography.
8. Dickinson, R.E. : Makers of Modern Geography, London.

**Paper-XI : Agricultural Geography**

**An Introductory Course**

**Section A**

Nature, Scope and significance of Agricultural Geography.

Approaches to the study of Agricultural Geography—commodity, environmental, systematic and regional.

Determinants of agricultural Land use—Physical, Social, Economic and cultural.

**Section B**

Whittlesey's agricultural types—their characteristics and distribu-

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**Practicals**

1. Assessment of Attitude
2. Assessment of Interests
3. MPI
4. Population Density and Mental Stress
5. Need Achievement
6. Vocational Attitude Maturity
7. HSPQ
8. Work Attitude
9. TAT
10. Picture Frustration Study
11. Raven's SPM
12. WAIS

*AB*

*Manish*

*test*

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